

Overview



High performance – Focused diagnostics – The all-round power supply for a wide variety of applications

The SITOP PSU6200 product family is the new standard power supply for customers with high technical requirements regarding reliability, efficiency and integration. It is suitable for many fields of application, particularly in the industrial environment, such as series machine building. The SITOP PSU6200 represents the state-of-the-art and takes the SITOP product portfolio into new dimensions of efficiency.

The slim and excellent design of the PSU6200 family combined with the push-in terminals means easy installation and wiring. The power supply units in this product family are all-rounders featuring a long service life and absolute reliability.

The high efficiency of up to 96% guarantees resource-saving energy consumption.

To further increase the 24 V availability, the SITOP PSU6200 power supplies can be combined with **buffer, DC UPS, redundancy and selectivity modules**.

Product highlights of the product line

- Diagnostics monitor¹⁾
 - LED display for DC OK, utilization (<30%, >30%, >60%, >90%) and remaining life time
- Diagnostics interface¹⁾
 - Provision of important operating parameters (e.g. output current/voltage, overload, temperature status, undervoltage and overvoltage detection at output, operating hours, device settings, etc.)
- Switchable output characteristic¹⁾
 - Constant current: Power supply not switched off immediately in the event of overload
 - Parallel operation: Uniform load sharing between power supply units connected in parallel for longer service life in every scenario
- Rugged input
 - Active PFC (Power Factor Correction)¹⁾ for lower reactive and inrush current and protection against mains pulses
 - Optimized protection of the input circuit
 - Wide-range input
 - DC capability of 1-phase devices
 - Continuous duty possible on 2 phases of 3-phase devices
- Coordinated product family
 - For 12 V, 24 V and 48 V applications of varying power requirements
 - 24 V versions for NEC Class 2 and Ex protection applications

Overview (continued)

- Narrow overall width
 - For direct side-by-side mounting without lateral clearance requirements
 - Visually attractive design (IF Design Award 2019)
- Push-in connection system
 - Easy, time-saving installation without need for tools
 - Additional minus terminal¹⁾ (grounding) for wiring according to PELV (Protected Extra Low Voltage)
- High overload capability²⁾
 - Power reserves in case of overload 150% extra power for 5 s/min
 - Continuous 120% rated current up to 45 °C ambient temperature

¹⁾ from 24 V/10 A and 12 V/12 A

²⁾ from 24 V/5 A and 12 V/7 A

Standard power supplies

SITOP PSU6200

1-phase, 12 V DC

Overview



SITOP PSU6200 1-phase, 12 V family

Stabilized 1-phase power supplies with wide-range input in three power levels.

Product highlights

- 1-phase, 12 V DC/2 A, 7 A and 12 A
- 12 V/2 A with 100 VA power limitation acc. to NEC Class 2
- Enclosure
 - Attractive metal enclosure of the 7 A and 12 A power supply, plastic enclosure of the 2 A in comparable shape and color
- Can be expanded with SITOP RED1200 redundancy modules
 - Slim width
 - In SITOP PSU6200 design

Selection and ordering data

SITOP PSU6200 1-phase, 12 V DC/2 A	6EP3321-7SB00-0AX0
Stabilized power supply Input: 120 - 230 V AC/120 - 240 V DC Output: 12 V DC/2 A	
SITOP PSU6200 1-phase, 12 V DC/7 A	6EP3323-7SB00-0AX0
Stabilized power supply Input: 120 - 230 V AC/120 - 240 V DC Output: 12 V DC/7 A	
SITOP PSU6200 1-phase, 12 V DC/12 A	6EP3324-7SB00-3AX0
Stabilized power supply Input: 120 - 230 V AC/120 - 240 V DC Output: 12 V DC/12 A	

Accessories

SITOP RED1200 redundancy module	6EP4346-7RB00-0AX0
Input/output: 12 V DC, 24 V, 48 V/20 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 10 A output current each	
SITOP RED1200 redundancy module	6EP4347-7RB00-0AX0
Input/output: 12 V DC, 24 V, 48 V/40 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 20 A output current each	
SIMATIC ET 200SP labels	6ES7193-6LF30-0AW0
160 equipment labeling plates, 10 sheets (160 plates)	

Technical specifications

Article number	6EP3321-7SB00-0AX0	6EP3323-7SB00-0AX0	6EP3324-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	12 V/2 A	12 V/7 A	12 V/12 A
input			
type of the power supply network	1-phase AC or DC	1-phase AC or DC	1-phase AC or DC
supply voltage at AC			
• minimum rated value	120 V	120 V	120 V
• maximum rated value	240 V	240 V	240 V
• initial value	85 V	85 V	85 V
• full-scale value	264 V	264 V	264 V
supply voltage at DC	120 ... 240 V	120 ... 240 V	110 ... 240 V
input voltage at DC	110 ... 275 V	99 ... 275 V	85 ... 275 V
wide range input	Yes	Yes	Yes
overvoltage overload capability	300 V AC for 30 s	300 V AC for 30 s	300 V AC for 30 s
buffering time for rated value of the output current in the event of power failure minimum	150 ms	90 ms	70 ms
operating condition of the mains buffering	at $V_{in} = 240 V$	at $V_{in} = 240 V$	at $V_{in} = 240 V$
line frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz	47 ... 63 Hz	47 ... 63 Hz
input current			
• at rated input voltage 120 V	0.45 A	1.4 A	1.4 A
• at rated input voltage 240 V	0.25 A	0.8 A	0.8 A
current limitation of inrush current at 25 °C maximum	32 A	29 A	6 A
fuse protection type	3.15 A	5 A	5 A
fuse protection type in the feeder	Circuit breaker from 4 A characteristic C/6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker 4 A characteristic C or 6 A characteristic B/C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker from 4 A characteristic C/6 A characteristic B to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)
output			
voltage curve at output	Controlled, isolated DC voltage	Controlled, isolated DC voltage	Controlled, isolated DC voltage
number of outputs	1	1	1
output voltage at DC rated value	12 V	12 V	12 V
output voltage			
• at output 1 at DC rated value	12 V	12 V	12 V
	12 V	12 V	12 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	10.5 ... 12.9 V; max. 24 W	12 ... 15.5 V; max. 84 W (100 W up to 45°C)	12 ... 15.5 V; max. 144 W (173 W up to 45°C)
relative control precision of the output voltage			
• on slow fluctuation of input voltage	0.3 %	0.1 %	0.1 %
• on slow fluctuation of ohm loading	0.3 %	0.2 %	0.1 %
residual ripple			
• maximum	30 mV	30 mV	30 mV
• typical	20 mV	20 mV	20 mV
voltage peak			
• maximum	20 mV	100 mV	30 mV
• typical	10 mV	60 mV	20 mV
display version for normal operation	Green LED for 24 V OK	Green LED for 24 V OK	Green LED for 24 V OK
type of signal at output		Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K.	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of V_{out} approx. 3 %	Overshoot of $V_{out} < 2 %$	Overshoot of $V_{out} < 2 %$

Standard power supplies

SITOP PSU6200

1-phase, 12 V DC

Technical specifications (continued)

Article number	6EP3321-7SB00-0AX0	6EP3323-7SB00-0AX0	6EP3324-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	12 V/2 A	12 V/7 A	12 V/12 A
response delay maximum	1 s	0.5 s	0.5 s
voltage increase time of the output voltage			
• typical	50 ms	100 ms	100 ms
output current			
• rated value	2 A	7 A	12 A
• rated range	0 ... 2 A	0 ... 7 A; 8.4 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 12 A; 14.4 A up to +45°C; +60 ... +70 °C: Derating 3%/K
supplied active power typical	0.0 ... 2.4 A	5.1 ... 9.9 A	10.1 ... 19.9 A
short-term overload current	24 W	84 W	144 W
• on short-circuiting during the start-up typical	2 A	8.4 A	14.4 A
• at short-circuit during operation typical	2 A	8.4 A	14.4 A
parallel switching of outputs			can be set with DIP switch
bridging of equipment	No	No	Yes; switchable characteristic
number of parallel-switched equipment resources			2
efficiency			
efficiency in percent	83.3 %	87.1 %	89.3 %
power loss [W]			
• at rated output voltage for rated value of the output current typical	5 W	13 W	17 W
• during no-load operation maximum	0.8 W	1.8 W	3 W
closed-loop control			
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	4 %	3 %	3 %
setting time			
• load step 10 to 90% typical	2 ms	1 ms	2 ms
• load step 90 to 10% typical	2 ms	1 ms	2 ms
• maximum	3 ms	2 ms	3 ms
protection and monitoring			
design of the overvoltage protection	< 20 V	< 20 V	< 20 V
property of the output short-circuit proof	Yes	Yes	Yes
design of short-circuit protection	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts
• typical	2.8 A	8.4 A	14.4 A
overcurrent overload capability			
• in normal operation		overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min
safety			
galvanic isolation between input and output	Yes	Yes	Yes
galvanic isolation	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1
operating resource protection class	Class I	Class I	Class I
leakage current			
• maximum	3.5 mA	3.5 mA	3.5 mA
protection class IP	IP20	IP20	IP20
standard			
• for emitted interference	EN 55022 Class B	EN 55022 Class B	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
• for interference immunity	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals			
certificate of suitability			
• CE marking	Yes	Yes	Yes

Technical specifications (continued)

Article number	6EP3321-7SB00-0AX0	6EP3323-7SB00-0AX0	6EP3324-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	12 V/2 A	12 V/7 A	12 V/12 A
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• EAC approval	Yes	Yes	Yes
• Regulatory Compliance Mark (RCM)	Yes	Yes	Yes
• NEC Class 2	Yes; according to UL1310, File E151273	No	No
• SEMI F47	Yes	Yes	Yes
type of certification			
• BIS	Yes; R-41183539	Yes; R-41188271	Yes; R-41188271
• CB-certificate	Yes	Yes	Yes
standards, specifications, approvals hazardous environments			
certificate of suitability			
• IECEx	No	No	No
• ATEX	No	No	No
• ULhazloc approval	No	No	No
• cCSAus, Class 1, Division 2	No	No	No
• FM registration	No	No	No
standards, specifications, approvals marine classification			
shipbuilding approval	Yes	Yes	Yes
Marine classification association			
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	Yes	Yes
• French marine classification society (BV)	No	No	No
• Det Norske Veritas (DNV)	No; in preparation	No; in preparation	No; in preparation
• Lloyds Register of Shipping (LRS)	No	No	No
standards, specifications, approvals Environmental Product Declaration			
Environmental Product Declaration		Yes	Yes
Global Warming Potential [CO2 eq]			
• total		420.3 kg	549.5 kg
• during manufacturing		13.1 kg	16.8 kg
• during operation		406.8 kg	532.1 kg
• after end of life		0.33 kg	0.42 kg
ambient conditions			
ambient temperature			
• during operation	-25 ... +70 °C; with natural convection	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C
• during transport	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
• during storage	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation
connection method			
type of electrical connection	push-in terminals	push-in terminals	push-in terminals
• at input	L1+, L2/N/-, PE: push-in for 0.5 ... 2.5 mm ² single-core/finely stranded	L1+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded	L1+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded

Standard power supplies

SITOP PSU6200

1-phase, 12 V DC

Technical specifications (continued)

Article number	6EP3321-7SB00-0AX0	6EP3323-7SB00-0AX0	6EP3324-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	12 V/2 A	12 V/7 A	12 V/12 A
• at output	+1, -1, -2: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²
• for auxiliary contacts	-	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²
mechanical data			
width × height × depth of the enclosure	25 mm × 88 mm	35 mm × 125 mm	45 mm × 125 mm
installation width × mounting height	25 mm	35 mm	45 mm
required spacing			
• top	50 mm	45 mm	45 mm
• bottom	50 mm	45 mm	45 mm
• left	0 mm	0 mm	0 mm
• right	0 mm	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15
• standard rail mounting	Yes	Yes	Yes
• S7 rail mounting	No	No	No
• wall mounting	No	No	No
housing can be lined up	Yes	Yes	Yes
net weight	0.2 kg	0.7 kg	0.9 kg
accessories			
electrical accessories	Redundancy module	Redundancy module	Redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link		Yes; according to IEC 61406-1:2022	Yes; according to IEC 61406-1:2022
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information			
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a

Technical specifications (continued)

Article number	6EP3321-7SB00-0AX0	6EP3323-7SB00-0AX0	6EP3324-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	12 V/2 A	12 V/7 A	12 V/12 A
	<p>connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>	<p>connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>	<p>connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>

More information

Select the appropriate power supply quickly and easily with the TIA Selection Tool:

<http://www.siemens.com/tst>

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Overview



SITOP PSU6200 family 24 V, the power supply units starting at 10 A have extensive diagnostic options - see [Siemens on the Web](#)

Stabilized single-phase power supplies with wide-range input in six power levels with variants for NEC Class 2 requirements and explosion protection.

Product highlights

- 1-phase, 24 V DC/1.3 A, 2.5 A, 3.7 A, 5 A, 10 A and 20 A
- 1.3 A, 2.5 A and 3.7 A with 100 VA power limitation acc. to NEC Class 2
- PSU6200 EX 24 V/5 A, 10 A and 20 A: For use in Zone 2 hazardous environments (gases, vapors or mists)
- Enclosure
 - Attractive metal enclosure from 3.7 A, plastic enclosure with similar form and color up to 2.5 A
- Can be expanded with SITOP add-on and DC UPS modules
 - BUF1200 buffer module, SEL1200/1400 selectivity modules and RED1200 redundancy modules in the design of the SITOP PSU6200

Selection and ordering data

SITOP PSU6200 1-phase, 24 V DC/1.3 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/1.3 A	6EP3331-7SB00-0AX0
SITOP PSU6200 1-phase, 24 V DC/2.5 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/2.5 A	6EP3332-7SB00-0AX0
SITOP PSU6200 1-phase, 24 V DC/3.7 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/3.7 A	6EP3333-7LB00-0AX0
SITOP PSU6200 1-phase, 24 V DC/5 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/5 A	6EP3333-7SB00-0AX0
SITOP PSU6200 1-phase, 24 V DC/10 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/10 A	6EP3334-7SB00-3AX0
SITOP PSU6200 1-phase, 24 V DC/20 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/20 A	6EP3336-7SB00-3AX0
SITOP PSU6200 Ex 1-phase, 24 V DC/5 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/5 A	6EP3333-7SC00-0AX0
SITOP PSU6200 Ex 1-phase, 24 V DC/10 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/10 A	6EP3334-7SC00-3AX0
SITOP PSU6200 Ex 1-phase, 24 V DC/20 A Stabilized power supply Input: 120 - 240 V AC/120 - 240 V DC Output: 24 V DC/20 A	6EP3336-7SC00-3AX0

Accessories

SITOP BUF1200 buffer module Buffer time 300 ms at 40 A Buffer time depends on load current	6EP4231-7HB00-0AX0
SITOP RED1200 redundancy module Input/output: 12 V DC, 24 V, 48 V/20 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 10 A output current each	6EP4346-7RB00-0AX0
SITOP RED1200 redundancy module Input/output: 12 V DC, 24 V, 48 V/40 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 20 A output current each	6EP4347-7RB00-0AX0
SITOP SEL1200 Selectivity module, 4-channel, switch- ing Input: 24 V DC Output: 24 V DC/10 A per output Adjustable response threshold 2 ... 10 A	6EP4437-7FB00-3CX0
SITOP SEL1200 Selectivity module, 8-channel, switch- ing Input: 24 V DC Output: 24 V DC/5 A per output Adjustable response threshold 1 ... 5 A	6EP4437-7FB00-3DX0
SITOP SEL1200 Selectivity module, 8-channel, switch- ing Input: 24 V DC Output: 24 V DC/10 A per output Adjustable response threshold 2 ... 10 A	6EP4438-7FB00-3DX0
SITOP SEL1400 Selectivity module, 4-channel, limiting Input: 24 V DC Output: 24 V DC/10 A per output Adjustable response threshold 2 ... 10 A	6EP4437-7EB00-3CX0
SITOP SEL1400 Selectivity module, 8-channel, limiting Input: 24 V DC Output: 24 V DC/5 A per output Adjustable response threshold 1 ... 5 A	6EP4437-7EB00-3DX0
SITOP SEL1400 Selectivity module, 8-channel, limiting Input: 24 V DC Output: 24 V DC/10 A per output Adjustable response threshold 2 ... 10 A	6EP4438-7EB00-3DX0
SIMATIC ET 200SP labels 160 reference labeling plates, 10 sheets (160 plates)	6ES7193-6LF30-0AW0
SITOP DC UPS	For more information, visit: www.siemens.com/sitop-ups/mall

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Technical specifications

Article number	6EP3331-7SB00-0AX0	6EP3332-7SB00-0AX0	6EP3333-7LB00-0AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/1.3 A	24 V/2.5 A	24 V/3.7 A
input			
type of the power supply network	1-phase AC or DC	1-phase AC or DC	1-phase AC or DC
supply voltage at AC			
• minimum rated value	120 V	120 V	120 V
• maximum rated value	240 V	240 V	240 V
• initial value	85 V	85 V	85 V
• full-scale value	264 V	264 V	264 V
supply voltage at DC	120 ... 240 V	120 ... 240 V	120 ... 240 V
input voltage at DC	110 ... 275 V	110 ... 275 V	99 ... 275 V
wide range input	Yes	Yes	Yes
overvoltage overload capability	300 V AC for 30 s	300 V AC for 30 s	300 V AC for 30 s
buffering time for rated value of the output current in the event of power failure minimum	150 ms	150 ms	90 ms
operating condition of the mains buffering	at $V_{in} = 240$ V	at $V_{in} = 240$ V	at $V_{in} = 240$ V
line frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz	47 ... 63 Hz	47 ... 63 Hz
input current			
• at rated input voltage 120 V	0.6 A	1.1 A	1.5 A
• at rated input voltage 240 V	0.3 A	0.6 A	0.9 A
current limitation of inrush current at 25 °C maximum	32 A	32 A	29 A
fuse protection type	3.15 A	3.15 A	3.15 A
fuse protection type in the feeder	Circuit breaker from 4 A characteristic C/6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker from 4 A characteristic C/6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker 4 A characteristic C or 6 A characteristic B/C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)
output			
voltage curve at output	Controlled, isolated DC voltage	Controlled, isolated DC voltage	Controlled, isolated DC voltage
number of outputs	1	1	1
output voltage at DC rated value	24 V	24 V	24 V
output voltage			
• at output 1 at DC rated value	24 V	24 V	24 V
	24 V	24 V	24 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	22.2 ... 26.4 V; max. 31.2 W	22.2 ... 26.4 V; max. 60 W	24 ... 28 V; max. 89 W (106 W up to 45°C)
relative control precision of the output voltage			
• on slow fluctuation of input voltage	0.1 %	0.1 %	0.2 %
• on slow fluctuation of ohm loading	0.1 %	0.1 %	0.3 %
residual ripple			
• maximum	30 mV	30 mV	30 mV
• typical	20 mV	20 mV	20 mV
voltage peak			
• maximum	30 mV	30 mV	100 mV
• typical	20 mV	20 mV	60 mV
display version for normal operation	Green LED for 24 V OK	Green LED for 24 V OK	Green LED for 24 V OK
type of signal at output			Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K.
behavior of the output voltage when switching on	Overshoot of V_{out} approx. 3 %	Overshoot of V_{out} approx. 3 %	Overshoot of $V_{out} < 2$ %

Technical specifications (continued)

Article number	6EP3331-7SB00-0AX0	6EP3332-7SB00-0AX0	6EP3333-7LB00-0AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/1.3 A	24 V/2.5 A	24 V/3.7 A
response delay maximum	1 s	1 s	0.5 s
voltage increase time of the output voltage			
• typical	50 ms	100 ms	100 ms
output current			
• rated value	1.3 A	2.5 A	3.7 A
• rated range	0 ... 1.3 A; +60 ... +70 °C: Derating 2.5%/K 0.0 ... 2.4 A	0 ... 2.5 A; +60 ... +70 °C: Derating 2.5%/K 2.5 A	0 ... 3.7 A; +60 ... +70 °C: Derating 1.5%/K 2.6 ... 4.9 A
supplied active power typical	31.2 W	60 W	89 W
short-term overload current			
• on short-circuiting during the start-up typical	1.3 A	2.5 A	3.7 A
• at short-circuit during operation typical	1.3 A	2.5 A	3.7 A
bridging of equipment	No	No	No
efficiency			
efficiency in percent	86.3 %	89 %	89.3 %
power loss [W]			
• at rated output voltage for rated value of the output current typical	5 W	7 W	11 W
• during no-load operation maximum	0.8 W	0.8 W	2.2 W
closed-loop control			
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %	3 %	2 %
setting time			
• load step 10 to 90% typical	0.5 ms	1 ms	2 ms
• load step 90 to 10% typical	0.5 ms	1 ms	2 ms
• maximum	1 ms	2 ms	3 ms
protection and monitoring			
design of the overvoltage protection	< 32 V	< 32 V	< 32 V
property of the output short-circuit proof	Yes	Yes	Yes
design of short-circuit protection	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts
• typical	1.6 A	3.1 A	3.7 A
safety			
galvanic isolation between input and output	Yes	Yes	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1	Safety extra low output voltage Vout according to EN 60950-1	Safety extra low output voltage Vout according to EN 60950-1
operating resource protection class	Class I	Class I	Class I
leakage current			
• maximum	3.5 mA	3.5 mA	3.5 mA
protection class IP	IP20	IP20	IP20
standard			
• for emitted interference	EN 55022 Class B	EN 55022 Class B	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
• for interference immunity	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals			
certificate of suitability			
• CE marking	Yes	Yes	Yes

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3331-7SB00-0AX0	6EP3332-7SB00-0AX0	6EP3333-7LB00-0AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/1.3 A	24 V/2.5 A	24 V/3.7 A
<ul style="list-style-type: none"> UL approval CSA approval EAC approval Regulatory Compliance Mark (RCM) NEC Class 2 SEMI F47 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes Yes Yes; according to UL1310, File E151273 Yes	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes Yes Yes; according to UL1310, File E151273 Yes	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes Yes Yes; according to UL1310, File E151273 Yes
type of certification <ul style="list-style-type: none"> BIS CB-certificate 	Yes; R-41183539 Yes	Yes; R-41183539 Yes	Yes; R-41188271 Yes
standards, specifications, approvals hazardous environments certificate of suitability <ul style="list-style-type: none"> IECEX ATEX ULhazloc approval cCSAus, Class 1, Division 2 FM registration 	No No No No No	No No No No No	No No No No No
standards, specifications, approvals marine classification shipbuilding approval Marine classification association <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) 	Yes Yes No No; in preparation No	Yes Yes No No; in preparation No	Yes Yes No No; in preparation No
standards, specifications, approvals Environmental Product Declaration Environmental Product Declaration Global Warming Potential [CO2 eq] <ul style="list-style-type: none"> total during manufacturing during operation after end of life 	Yes 161.7 kg 5.2 kg 156.4 kg 0.14 kg	Yes 225.6 kg 6.5 kg 218.9 kg 0.18 kg	Yes 357.7 kg 13.1 kg 344.2 kg 0.33 kg
ambient conditions ambient temperature <ul style="list-style-type: none"> during operation during transport during storage environmental category according to IEC 60721	-25 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C Climate class 3K3, 5 ... 95% no condensation	-25 ... +70 °C; with natural convection -40 ... +85 °C -40 ... +85 °C Climate class 3K3, 5 ... 95% no condensation	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C -40 ... +85 °C -40 ... +85 °C Climate class 3K3, 5 ... 95% no condensation
connection method type of electrical connection <ul style="list-style-type: none"> at input 	push-in terminals L1+, L2/N/-, PE: push-in for 0.5 ... 2.5 mm ² single-core/finely stranded	push-in terminals L1+, L2/N/-, PE: push-in for 0.5 ... 2.5 mm ² single-core/finely stranded	push-in terminals L1+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded

Technical specifications (continued)

Article number	6EP3331-7SB00-0AX0	6EP3332-7SB00-0AX0	6EP3333-7LB00-0AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/1.3 A	24 V/2.5 A	24 V/3.7 A
• at output	+1, -1, -2: push-in for 0.5 ... 2.5 mm ²	+1, -1, -2: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²
• for auxiliary contacts	-	-	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²
mechanical data			
width × height × depth of the enclosure	25 mm × 88 mm	40 mm × 88 mm	35 mm × 125 mm
installation width × mounting height	25 mm	40 mm	35 mm
required spacing			
• top	50 mm	50 mm	45 mm
• bottom	50 mm	50 mm	45 mm
• left	0 mm	0 mm	0 mm
• right	0 mm	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15
• standard rail mounting	Yes	Yes	Yes
• S7 rail mounting	No	No	No
• wall mounting	No	No	No
housing can be lined up	Yes	Yes	Yes
net weight	0.2 kg	0.25 kg	0.7 kg
accessories			
electrical accessories	Buffer module, redundancy module	Buffer module, redundancy module	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AWO	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AWO	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AWO
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link			Yes; according to IEC 61406-1:2022
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information			
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3331-7SB00-0AX0	6EP3332-7SB00-0AX0	6EP3333-7LB00-0AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/1.3 A	24 V/2.5 A	24 V/3.7 A
	internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)	internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)	internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)

Article number	6EP3333-7SB00-0AX0	6EP3334-7SB00-3AX0	6EP3336-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
input			
type of the power supply network	1-phase AC or DC	1-phase AC or DC	1-phase AC or DC
supply voltage at AC			
• minimum rated value	120 V	120 V	120 V
• maximum rated value	240 V	240 V	240 V
• initial value	85 V	85 V	85 V
• full-scale value	264 V	264 V	264 V
supply voltage at DC	120 ... 240 V	110 ... 240 V	110 ... 240 V
input voltage at DC	99 ... 275 V	85 ... 275 V	85 ... 275 V
wide range input	Yes	Yes	Yes
overvoltage overload capability	300 V AC for 30 s	300 V AC for 30 s	300 V AC for 30 s
buffering time for rated value of the output current in the event of power failure minimum	80 ms	45 ms	25 ms
operating condition of the mains buffering	at $V_{in} = 240$ V	at $V_{in} = 240$ V	at $V_{in} = 240$ V
line frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz	47 ... 63 Hz	47 ... 63 Hz
input current			
• at rated input voltage 120 V	1.9 A	2.2 A	4.3 A
• at rated input voltage 240 V	1.1 A	1.2 A	2.3 A
current limitation of inrush current at 25 °C maximum	29 A	6 A	12 A
fuse protection type	3.15 A	5 A	10 A
fuse protection type in the feeder	Circuit breaker 4 A characteristic C or 6 A characteristic B/C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker from 4 A characteristic C/6 A characteristic B to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker from 6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1HA10 (setting 8A) or 3RV2711-1HD10 (UL 489)
output			
voltage curve at output	Controlled, isolated DC voltage	Controlled, isolated DC voltage	Controlled, isolated DC voltage
number of outputs	1	1	1

Technical specifications (continued)

Article number	6EP3333-7SB00-0AX0	6EP3334-7SB00-3AX0	6EP3336-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
output voltage at DC rated value	24 V	24 V	24 V
output voltage			
• at output 1 at DC rated value	24 V	24 V	24 V
	24 V	24 V	24 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	24 ... 28 V; max. 120 W (144 W up to 45°C)	24 ... 28 V; max. 240 W (288 W up to 45°C)	24 ... 28 V; max. 480 W (576 W up to 45°C)
relative control precision of the output voltage			
• on slow fluctuation of input voltage	0.1 %	0.1 %	0.2 %
• on slow fluctuation of ohm loading	0.2 %	0.1 %	0.2 %
residual ripple			
• maximum	30 mV	30 mV	80 mV
• typical	20 mV	20 mV	50 mV
voltage peak			
• maximum	100 mV	30 mV	100 mV
• typical	60 mV	20 mV	60 mV
display version for normal operation	Green LED for 24 V OK	Green LED for 24 V OK	Green LED for 24 V OK
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K.	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of Vout < 2 %	Overshoot of Vout < 2 %	Overshoot of Vout approx. 3 %
response delay maximum	0.5 s	0.5 s	0.5 s
voltage increase time of the output voltage			
• typical	100 ms	200 ms	100 ms
output current			
• rated value	5 A	10 A	20 A
• rated range	0 ... 5 A; 6 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 10 A; 12 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 20 A; 24 A up to +45°C; +60 ... +70 °C: Derating 3%/K
	5 A	10 A	20 A
supplied active power typical	120 W	240 W	480 W
short-term overload current			
• on short-circuiting during the start-up typical	6 A	12 A	30 A
• at short-circuit during operation typical	6 A	12 A	30 A
parallel switching of outputs		can be set with DIP switch	can be set with DIP switch
bridging of equipment	No	Yes; switchable characteristic	Yes; switchable characteristic
number of parallel-switched equipment resources		2	2
efficiency			
efficiency in percent	90.2 %	92.8 %	95.5 %
power loss [W]			
• at rated output voltage for rated value of the output current typical	13 W	18 W	25 W
• during no-load operation maximum	2 W	2.2 W	2.6 W
closed-loop control			
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %	2 %	3 %
setting time			
• load step 10 to 90% typical	1 ms	2 ms	0.5 ms
• load step 90 to 10% typical	1 ms	2 ms	0.5 ms
• maximum	2 ms	3 ms	1 ms
protection and monitoring			
design of the overvoltage protection	< 32 V	< 32 V	< 32 V
property of the output short-circuit proof	Yes	Yes	Yes

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3333-7SB00-0AX0	6EP3334-7SB00-3AX0	6EP3336-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
design of short-circuit protection	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts
• typical	6 A	12 A	30 A
overcurrent overload capability			
• in normal operation	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min
safety			
galvanic isolation between input and output	Yes	Yes	Yes
galvanic isolation	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1
operating resource protection class	Class I	Class I	Class I
leakage current			
• maximum	3.5 mA	3.5 mA	3.5 mA
protection class IP	IP20	IP20	IP20
standard			
• for emitted interference	EN 55022 Class B	EN 55022 Class B	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
• for interference immunity	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals			
certificate of suitability			
• CE marking	Yes	Yes	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• EAC approval	Yes	Yes	Yes
• Regulatory Compliance Mark (RCM)	Yes	Yes	Yes
• NEC Class 2	No	No	No
• SEMI F47	Yes		Yes
type of certification			
• BIS	Yes; R-41188271	Yes; R-41188271	Yes; R-41188271
• CB-certificate	Yes	Yes	Yes
standards, specifications, approvals hazardous environments			
certificate of suitability			
• IECEx	No	No	No
• ATEX	No	No	No
• ULhazloc approval	No	No	No
• cCSAus, Class 1, Division 2	No	No	No
• FM registration	No	No	No
standards, specifications, approvals marine classification			
shipbuilding approval	Yes	Yes	Yes
Marine classification association			
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	Yes	Yes
• French marine classification society (BV)	No	No	No
• Det Norske Veritas (DNV)	No; in preparation	No; in preparation	No; in preparation
• Lloyds Register of Shipping (LRS)	No	No	No

Technical specifications (continued)

Article number	6EP3333-7SB00-0AX0	6EP3334-7SB00-3AX0	6EP3336-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
standards, specifications, approvals			
Environmental Product Declaration			
Environmental Product Declaration	Yes	Yes	Yes
Global Warming Potential [CO ₂ eq]			
• total	420.3 kg	581.2 kg	811.6 kg
• during manufacturing	13.1 kg	16.8 kg	28 kg
• during operation	406.8 kg	563.8 kg	782.6 kg
• after end of life	0.33 kg	0.42 kg	0.7 kg
ambient conditions			
ambient temperature			
• during operation	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C
• during transport	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
• during storage	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation
connection method			
type of electrical connection			
• at input	push-in terminals L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded	push-in terminals L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded	push-in terminals L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded
• at output	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 6 mm ²
• for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²
mechanical data			
width × height × depth of the enclosure	35 mm × 125 mm	45 mm × 125 mm	70 mm × 155 mm
installation width × mounting height	35 mm	45 mm	70 mm
required spacing			
• top	45 mm	45 mm	45 mm
• bottom	45 mm	45 mm	45 mm
• left	0 mm	0 mm	0 mm
• right	0 mm	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15
• standard rail mounting	Yes	Yes	Yes
• S7 rail mounting	No	No	No
• wall mounting	No	No	No
housing can be lined up	Yes	Yes	Yes
net weight	0.7 kg	0.9 kg	1.5 kg
accessories			
electrical accessories	Buffer module, redundancy module	Buffer module, redundancy module	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3333-7SB00-0AX0	6EP3334-7SB00-3AX0	6EP3336-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link	Yes; according to IEC 61406-1:2022	Yes; according to IEC 61406-1:2022	
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information			
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)
Article number	6EP3333-7SC00-0AX0	6EP3334-7SC00-3AX0	6EP3336-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
input			
type of the power supply network	1-phase AC or DC	1-phase AC or DC	1-phase AC or DC
supply voltage at AC			
• minimum rated value	120 V	120 V	120 V
• maximum rated value	240 V	240 V	240 V
• initial value	85 V	85 V	85 V

Technical specifications (continued)

Article number	6EP3333-7SC00-0AX0	6EP3334-7SC00-3AX0	6EP3336-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
• full-scale value	264 V	264 V	264 V
supply voltage at DC	120 ... 240 V	110 ... 240 V	110 ... 240 V
input voltage at DC	99 ... 275 V	85 ... 275 V	85 ... 275 V
wide range input	Yes	Yes	Yes
overvoltage overload capability	300 V AC for 30 s	300 V AC for 30 s	300 V AC for 30 s
buffering time for rated value of the output current in the event of power failure minimum	80 ms	45 ms	25 ms
operating condition of the mains buffering	at $V_{in} = 240$ V	at $V_{in} = 240$ V	at $V_{in} = 240$ V
line frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz	47 ... 63 Hz	47 ... 63 Hz
input current			
• at rated input voltage 120 V	1.9 A	2.2 A	4.3 A
• at rated input voltage 240 V	1.1 A	1.2 A	2.3 A
current limitation of inrush current at 25 °C maximum	29 A	6 A	12 A
fuse protection type	3.15 A	5 A	10 A
fuse protection type in the feeder	Circuit breaker 4 A characteristic C or 6 A characteristic B/C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker from 4 A characteristic C/6 A characteristic B to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker from 6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1HA10 (setting 8A) or 3RV2711-1HD10 (UL 489)
output			
voltage curve at output	Controlled, isolated DC voltage	Controlled, isolated DC voltage	Controlled, isolated DC voltage
number of outputs	1	1	1
output voltage at DC rated value	24 V	24 V	24 V
output voltage			
• at output 1 at DC rated value	24 V	24 V	24 V
	24 V	24 V	24 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	24 ... 28 V; max. 120 W (144 W up to 45°C)	24 ... 28 V; max. 240 W (288 W up to 45°C)	24 ... 28 V; max. 480 W (576 W up to 45°C)
relative control precision of the output voltage			
• on slow fluctuation of input voltage	0.1 %	0.1 %	0.2 %
• on slow fluctuation of ohm loading	0.2 %	0.1 %	0.2 %
residual ripple			
• maximum	30 mV	30 mV	80 mV
• typical	20 mV	20 mV	50 mV
voltage peak			
• maximum	100 mV	30 mV	100 mV
• typical	60 mV	20 mV	60 mV
display version for normal operation	Green LED for 24 V OK	Green LED for 24 V OK	Green LED for 24 V OK
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K.	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of $V_{out} < 2$ %	Overshoot of $V_{out} < 2$ %	Overshoot of V_{out} approx. 3 %
response delay maximum	0.5 s	0.5 s	0.5 s
voltage increase time of the output voltage			
• typical	100 ms	200 ms	100 ms
output current			
• rated value	5 A	10 A	20 A
• rated range	0 ... 5 A; 6 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 10 A; 12 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 20 A; 24 A up to +45°C; +60 ... +70 °C: Derating 3%/K

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3333-7SC00-0AX0	6EP3334-7SC00-3AX0	6EP3336-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
supplied active power typical	5 A 120 W	10 A 240 W	20 A 480 W
short-term overload current			
• on short-circuiting during the start-up typical	6 A	12 A	30 A
• at short-circuit during operation typical	6 A	12 A	30 A
parallel switching of outputs		can be set with DIP switch	can be set with DIP switch
bridging of equipment	No	Yes; switchable characteristic	Yes; switchable characteristic
number of parallel-switched equipment resources		2	2
efficiency			
efficiency in percent	90.2 %	92.8 %	95.5 %
power loss [W]			
• at rated output voltage for rated value of the output current typical	13 W	18 W	25 W
• during no-load operation maximum	2 W	2.2 W	2.6 W
closed-loop control			
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %	2 %	3 %
setting time			
• load step 10 to 90% typical	1 ms	2 ms	0.5 ms
• load step 90 to 10% typical	1 ms	2 ms	0.5 ms
• maximum	2 ms	3 ms	1 ms
protection and monitoring			
design of the overvoltage protection	< 32 V	< 32 V	< 32 V
property of the output short-circuit proof	Yes	Yes	Yes
design of short-circuit protection	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts
• typical	6 A	12 A	30 A
overcurrent overload capability			
• in normal operation	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min
safety			
galvanic isolation between input and output	Yes	Yes	Yes
galvanic isolation	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1
operating resource protection class	Class I	Class I	Class I
leakage current			
• maximum	3.5 mA	3.5 mA	3.5 mA
protection class IP	IP20	IP20	IP20
standard			
• for emitted interference	EN 55022 Class B	EN 55022 Class B	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
• for interference immunity	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals			
certificate of suitability			
• CE marking	Yes	Yes	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
• CSA approval	Yes; CSA C22.2 No. 62368-1	Yes; CSA C22.2 No. 62368-1	Yes; CSA C22.2 No. 62368-1
• UKCA marking	Yes	Yes	Yes
• Regulatory Compliance Mark (RCM)	Yes	Yes	Yes
• NEC Class 2	No	No	No
• SEMI F47	Yes	Yes	Yes

Technical specifications (continued)

Article number	6EP3333-7SC00-0AX0	6EP3334-7SC00-3AX0	6EP3336-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
type of certification			
• BIS	Yes; R-41188271	Yes; R-41188271	Yes; R-41188271
• CB-certificate	Yes	Yes	Yes
standards, specifications, approvals hazardous environments			
certificate of suitability			
• IECEx	Yes; IECEx Ex ec IIC T3 Gc	Yes; IECEx Ex ec nC IIC T3 Gc	Yes; IECEx Ex ec nC IIC T3 Gc
• ATEX	Yes; ATEX (EX) II 3G Ex ec IIC T3 Gc	Yes; ATEX (EX) II 3G Ex ec nC IIC T3 Gc	Yes; ATEX (EX) II 3G Ex ec nA nC IIC T4 Gc
• ULhazloc approval	Yes	Yes	Yes
• cCSAus, Class 1, Division 2	Yes	Yes	Yes
• FM registration	No	No	No
standards, specifications, approvals marine classification			
shipbuilding approval	Yes	Yes	Yes
Marine classification association			
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	Yes	Yes
• French marine classification society (BV)	No	No	No
• Det Norske Veritas (DNV)	No; in preparation	No; in preparation	No; in preparation
• Lloyds Register of Shipping (LRS)	No	No	No
standards, specifications, approvals Environmental Product Declaration			
Environmental Product Declaration	Yes	Yes	Yes
Global Warming Potential [CO ₂ eq]			
• total	420.3 kg	581.2 kg	811.6 kg
• during manufacturing	13.1 kg	16.8 kg	28 kg
• during operation	406.8 kg	563.8 kg	782.6 kg
• after end of life	0.33 kg	0.42 kg	0.7 kg
ambient conditions			
ambient temperature			
• during operation	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C
• during transport	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
• during storage	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation
connection method			
type of electrical connection	push-in terminals	push-in terminals	push-in terminals
• at input	L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded	L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded	L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded
• at output	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 6 mm ²
• for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²
mechanical data			
width × height × depth of the enclosure	35 mm × 125 mm	45 mm × 125 mm	70 mm × 155 mm
installation width × mounting height	35 mm	45 mm	70 mm
required spacing			
• top	45 mm	45 mm	45 mm
• bottom	45 mm	45 mm	45 mm

Standard power supplies

SITOP PSU6200

1-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3333-7SC00-0AX0	6EP3334-7SC00-3AX0	6EP3336-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
• left	0 mm	0 mm	0 mm
• right	0 mm	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15
• standard rail mounting	Yes	Yes	Yes
• S7 rail mounting	No	No	No
• wall mounting	No	No	No
housing can be lined up	Yes	Yes	Yes
net weight	0.7 kg	0.9 kg	1.5 kg
accessories			
electrical accessories	Buffer module, redundancy module	Buffer module, redundancy module	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link	Yes; according to IEC 61406-1:2022	Yes; according to IEC 61406-1:2022	
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information			
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are

Technical specifications (continued)

Article number	6EP3333-7SC00-0AX0	6EP3334-7SC00-3AX0	6EP3336-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A
	applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert.(V4.7)	applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert.(V4.7)	applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert.(V4.7)

More information

Select the appropriate power supply quickly and easily with the TIA Selection Tool:

<http://www.siemens.com/tst>

Standard power supplies

SITOP PSU6200

1-phase, 48 V DC

Overview



SITOP PSU6200 1-phase, 48 V, 5 A and 10 A

Stabilized 1-phase power supply with wide-range input.

Product highlights

- 1-phase, 48 V DC/5 A and 10 A
- Can be expanded with SITOP RED1200 redundancy modules
 - Slim width
 - High dielectric strength
 - In SITOP PSU6200 design
- Expandable with SITOP SEL1200 48 V/4 x 10 A selectivity module
 - Switching characteristic
 - With monitoring interface
 - In PSU6200 design

Selection and ordering data

SITOP PSU6200 1-phase, 48 V DC/5 A Stabilized power supply Input: 120 - 240 V AC/110 - 240 V DC Output: 48 V DC/5 A	6EP3344-7SB00-3AX0
SITOP PSU6200 1-phase, 48 V DC/10 A Stabilized power supply Input: 120 - 240 V AC/110 - 240 V DC Output: 48 V DC/10 A	6EP3346-7SB00-3AX0

Accessories

SITOP RED1200 redundancy module Input/output: 12 V DC, 24 V, 48 V/20 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 10 A output current each	6EP4346-7RB00-0AX0
SITOP RED1200 redundancy module Input/output: 12 V DC, 24 V, 48 V/40 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 20 A output current each	6EP4347-7RB00-0AX0
SITOP SEL1200 48 V/4 x 10 A selectivity module Selectivity module 4-channel with switching characteristic Input: 48 V DC/40 A Output: 48 V DC/4 x 10 A Threshold value adjustable 1-10 A, with monitoring interface	6EP4448-7FB00-3CX0
SIMATIC ET 200SP labels 160 equipment labeling plates, 10 sheets (160 plates)	6ES7193-6LF30-0AW0

Technical specifications

Article number	6EP3344-7SB00-3AX0	6EP3346-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A
input		
type of the power supply network	1-phase AC or DC	1-phase AC or DC
supply voltage at AC		
• minimum rated value	120 V	120 V
• maximum rated value	240 V	240 V
• initial value	85 V	85 V
• full-scale value	264 V	264 V
supply voltage at DC	110 ... 240 V	110 ... 240 V
input voltage at DC	85 ... 275 V	85 ... 275 V
wide range input	Yes	Yes
overvoltage overload capability	300 V AC for 30 s	300 V AC for 30 s
buffering time for rated value of the output current in the event of power failure minimum	46 ms	25 ms
operating condition of the mains buffering	at $V_{in} = 240\text{ V}$	at $V_{in} = 240\text{ V}$
line frequency	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz	47 ... 63 Hz
input current		
• at rated input voltage 120 V	2.2 A	4.3 A
• at rated input voltage 240 V	1.2 A	2.3 A
current limitation of inrush current at 25 °C maximum	6 A	11 A
fuse protection type	5 A	10 A
fuse protection type in the feeder	Circuit breaker from 4 A characteristic C/6 A characteristic B to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	Circuit breaker from 6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1HA10 (setting 8A) or 3RV2711-1HD10 (UL 489)
output		
voltage curve at output	Controlled, isolated DC voltage	Controlled, isolated DC voltage
number of outputs	1	1
output voltage at DC rated value	48 V	48 V
output voltage		
• at output 1 at DC rated value	48 V	48 V
	48 V	48 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	48 ... 56 V; max. 240 W (288 W up to 45°C)	48 ... 56 V; max. 480 W (576 W up to 45°C)
relative control precision of the output voltage		
• on slow fluctuation of input voltage	0.1 %	0.3 %
• on slow fluctuation of ohm loading	0.1 %	0.2 %
residual ripple		
• maximum	50 mV	70 mV
• typical	30 mV	20 mV
voltage peak		
• maximum	60 mV	40 mV
• typical	40 mV	20 mV
display version for normal operation	Green LED for 48 V OK	Green LED for 48 V OK
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of $V_{out} < 2\%$	Overshoot of $V_{out} < 2\%$
response delay maximum	0.5 s	0.5 s
voltage increase time of the output voltage		
• typical	250 ms	200 ms

Standard power supplies

SITOP PSU6200

1-phase, 48 V DC

Technical specifications (continued)

Article number	6EP3344-7SB00-3AX0	6EP3346-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A
output current		
• rated value	5 A	10 A
• rated range	0 ... 5 A; 6 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 10 A; 12 A up to +45°C; +60 ... +70 °C: Derating 3%/K
supplied active power typical	5 A 240 W	10 A 480 W
short-term overload current		
• on short-circuiting during the start-up typical	6 A	15 A
• at short-circuit during operation typical	6 A	15 A
parallel switching of outputs	can be set with DIP switch	can be set with DIP switch
bridging of equipment	Yes; switchable characteristic	Yes; switchable characteristic
number of parallel-switched equipment resources	2	2
efficiency		
efficiency in percent	93.9 %	95.8 %
power loss [W]		
• at rated output voltage for rated value of the output current typical	15 W	21 W
• during no-load operation maximum	2.4 W	2.5 W
closed-loop control		
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	1 %	3 %
setting time		
• load step 10 to 90% typical	4 ms	5 ms
• load step 90 to 10% typical	4 ms	5 ms
• maximum	6 ms	5 ms
protection and monitoring		
design of the overvoltage protection	< 60 V	< 60 V
property of the output short-circuit proof	Yes	Yes
design of short-circuit protection	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts
• typical	6 A	15 A
overcurrent overload capability		
• in normal operation	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min
safety		
galvanic isolation between input and output	Yes	Yes
galvanic isolation	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1
operating resource protection class	Class I	Class I
leakage current		
• maximum	3.5 mA	3.5 mA
protection class IP	IP20	IP20
standard		
• for emitted interference	EN 55022 Class B	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2	EN 61000-3-2
• for interference immunity	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals		
certificate of suitability		
• CE marking	Yes	Yes

Technical specifications (continued)

Article number	6EP3344-7SB00-3AX0	6EP3346-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)
• CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)
• EAC approval	Yes	Yes
• Regulatory Compliance Mark (RCM)	Yes	Yes
• NEC Class 2	No	No
• SEMI F47	Yes	Yes
type of certification		
• BIS	Yes; R-41188271	Yes; R-41188271
• CB-certificate	Yes	Yes
standards, specifications, approvals hazardous environments		
certificate of suitability		
• IECEx	No	No
• ATEX	No	No
• ULhazloc approval	No	No
• cCSAus, Class 1, Division 2	No	No
• FM registration	No	No
standards, specifications, approvals marine classification		
shipbuilding approval	Yes	Yes
Marine classification association		
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	Yes
• French marine classification society (BV)	No	No
• Det Norske Veritas (DNV)	No; in preparation	No; in preparation
• Lloyds Register of Shipping (LRS)	No	No
standards, specifications, approvals Environmental Product Declaration		
Environmental Product Declaration	Yes	Yes
Global Warming Potential [CO ₂ eq]		
• total	486.8 kg	686.3 kg
• during manufacturing	16.8 kg	28 kg
• during operation	469.4 kg	657.4 kg
• after end of life	0.42 kg	0.7 kg
ambient conditions		
ambient temperature		
• during operation	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C
• during transport	-40 ... +85 °C	-40 ... +85 °C
• during storage	-40 ... +85 °C	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation
connection method		
type of electrical connection	push-in terminals	push-in terminals
• at input	L1+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded	L1+, L2/N/-, PE: push-in for 0.5 ... 4 mm ² single-core/finely stranded
• at output	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 6 mm ²
• for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²

Standard power supplies

SITOP PSU6200

1-phase, 48 V DC

Technical specifications (continued)

Article number	6EP3344-7SB00-3AX0	6EP3346-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A
mechanical data		
width × height × depth of the enclosure	45 mm × 125 mm	70 mm × 155 mm
installation width × mounting height	45 mm	70 mm
required spacing		
• top	45 mm	45 mm
• bottom	45 mm	45 mm
• left	0 mm	0 mm
• right	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15
• standard rail mounting	Yes	Yes
• S7 rail mounting	No	No
• wall mounting	No	No
housing can be lined up	Yes	Yes
net weight	0.9 kg	1.5 kg
accessories		
electrical accessories	Buffer module, redundancy module	Redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0	
further information internet links		
internet link		
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link	Yes; according to IEC 61406-1:2022	
additional information		
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information		
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may

Technical specifications (continued)

Article number	6EP3344-7SB00-3AX0	6EP3346-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A
	increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)	increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

More information

Select the appropriate power supply quickly and easily with the TIA Selection Tool:

<http://www.siemens.com/tst>

Standard power supplies

SITOP PSU6200

3-phase, 24 V DC

Overview



SITOP PSU6200 3-phase, 24 V family

Stabilized 3-phase power supplies with 400 to 500 V AC input in three power levels.

Product highlights

- 3-phase, 24 V DC/5 A, 10 A, 20 A and 40 A
- All variants also available in Ex-version for use in Zone 2 hazardous environments (gases, vapors or mists)
- Rugged input
 - Input voltage 323 ... 576 V AC, 450 ... 600 V DC
 - In the event of a phase failure, continuous operation with only 2 phases possible
- Enclosure
 - Attractive metal enclosure
- Can be expanded with SITOP add-on and DC UPS modules
 - BUF1200 buffer module, SEL1200/1400 selectivity modules and RED1200 redundancy modules in the design of the SITOP PSU6200

Selection and ordering data

SITOP PSU6200 3-phase, 24 V DC/5 A Stabilized power supply Input: 400-500 V 3 AC Output: 24 V DC/5 A	6EP3433-7SB00-0AX0
SITOP PSU6200 Ex 3-phase, 24 V DC/5 A Stabilized power supply Input: 400 ... 500 V AC Output: 24 V DC/5 A with coated PCBs	6EP3433-7SC00-0AX0
SITOP PSU6200 3-phase, 24 V DC/10 A Stabilized power supply Input: 400-500 V 3 AC Output: 24 V DC/10 A	6EP3434-7SB00-3AX0
SITOP PSU6200 Ex 3-phase, 24 V DC/10 A Stabilized power supply Input: 400 ... 500 V AC Output: 24 V DC/10 A with diagnostic interface with coated PCBs	6EP3434-7SC00-3AX0
SITOP PSU6200 3-phase, 24 V DC/20 A Stabilized power supply Input: 400-500 V 3 AC Output: 24 V DC/20 A	6EP3436-7SB00-3AX0
SITOP PSU6200 Ex 3-phase, 24 V DC/20 A Stabilized power supply Input: 400 ... 500 V AC Output: 24 V DC/20 A with diagnostic interface with coated PCBs	6EP3436-7SC00-3AX0
SITOP PSU6200, 3-phase 24 V DC/40 A Stabilized power supply Input: 400-500 V 3 AC Output: 24 V DC/40 A	6EP3437-7SB00-3AX0
SITOP PSU6200 Ex 3-phase, 24 V DC/40 A Stabilized power supply Input: 400 ... 500 V AC Output: 24 V DC/40 A with diagnostic interface with coated PCBs	6EP3437-7SC00-3AX0

Accessories

SITOP BUF1200 buffer module Buffer time 300 ms at 40 A Buffer time depends on load current	6EP4231-7HB00-0AX0
SITOP RED1200 redundancy module Input/output: 12 V DC, 24 V, 48 V/20 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 10 A output current each	6EP4346-7RB00-0AX0
SITOP RED1200 redundancy module Input/output: 12 V DC, 24 V, 48 V/40 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 20 A output current each	6EP4347-7RB00-0AX0
SITOP SEL1200 Selectivity module, 8-channel, switch- ing Input: 24 V DC Output: 24 V DC/10 A per output Adjustable response threshold 2 ... 10 A	6EP4438-7FB00-3DX0
SITOP SEL1400 Selectivity module, 8-channel, limiting Input: 24 V DC Output: 24 V DC/10 A per output Adjustable response threshold 2 ... 10 A	6EP4438-7EB00-3DX0
SIMATIC ET 200SP labels 160 reference labeling plates, 10 sheets (160 plates)	6ES7193-6LF30-0AW0
SITOP DC UPS	For more information, visit: www.siemens.com/sitop-ups/mall

Standard power supplies

SITOP PSU6200

3-phase, 24 V DC

Technical specifications

Article number	6EP3433-7SB00-0AX0	6EP3434-7SB00-3AX0	6EP3436-7SB00-3AX0	6EP3437-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
input				
type of the power supply network	3-phase AC or DC			
supply voltage at AC				
• minimum rated value	400 V	400 V	400 V	400 V
• maximum rated value	500 V	500 V	500 V	500 V
• initial value	323 V	323 V	323 V	323 V
• full-scale value	576 V	576 V	576 V	576 V
input voltage at DC	450 ... 600 V			
buffering time for rated value of the output current in the event of power failure minimum	20 ms	30 ms	25 ms	18 ms
operating condition of the mains buffering	at $V_{in} = 400$ V			
line frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz			
input current				
• at rated input voltage 400 V	0.33 A	0.39 A	0.77 A	1.5 A
• at rated input voltage 500 V	0.28 A	0.32 A	0.62 A	1.2 A
current limitation of inrush current at 25 °C maximum	22 A	13 A	17 A	10 A
fuse protection type in the feeder	three-poled coupled circuit breaker from 4 A characteristic C to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)
output				
voltage curve at output	Controlled, isolated DC voltage			
number of outputs	1	1	1	1
output voltage at DC rated value	24 V	24 V	24 V	24 V
output voltage				
• at output 1 at DC rated value	24 V 24 V	24 V 24 V	24 V 24 V	24 V 24 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	24 ... 28 V; max. 120 W (144 W up to 45°C)	24 ... 28 V; max. 240 W (288 W up to 45°C)	24 ... 28 V; max. 480 W (576 W up to 45°C)	24 ... 28 V; max. 960 W (1152 W up to 45°C)
relative control precision of the output voltage				
• on slow fluctuation of input voltage	0.6 %	0.2 %	0.2 %	0.2 %
• on slow fluctuation of ohm loading	0.6 %	0.1 %	0.1 %	0.1 %
residual ripple				
• maximum	30 mV	30 mV	30 mV	80 mV
• typical	20 mV	20 mV	20 mV	50 mV
voltage peak				
• maximum	30 mV	30 mV	30 mV	80 mV
• typical	20 mV	20 mV	20 mV	30 mV
display version for normal operation	Green LED for 24 V OK			
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K.	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of $V_{out} < 2$ %			

Technical specifications (continued)

Article number	6EP3433-7SB00-0AX0	6EP3434-7SB00-3AX0	6EP3436-7SB00-3AX0	6EP3437-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
response delay maximum	0.5 s	0.5 s	0.5 s	0.5 s
voltage increase time of the output voltage				
• typical	100 ms	100 ms	100 ms	100 ms
output current				
• rated value	5 A	10 A	20 A	40 A
• rated range	0 ... 5 A; 6 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 10 A; 12 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 20 A; 24 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 40 A; 48 A up to +45°C; +60 ... +70 °C: Derating 3%/K
supplied active power typical	5 A	10 A	20 A	40 A
short-term overload current	120 W	240 W	480 W	960 W
• on short-circuiting during the start-up typical	6 A	12 A	24 A	48 A
• at short-circuit during operation typical	6 A	12 A	24 A	48 A
parallel switching of outputs		can be set with DIP switch	can be set with DIP switch	can be set with DIP switch
bridging of equipment	No	Yes; switchable characteristic	Yes; switchable characteristic	Yes; switchable characteristic
number of parallel-switched equipment resources		2	2	2
efficiency				
efficiency in percent	91.2 %	95.4 %	95.9 %	96 %
power loss [W]				
• at rated output voltage for rated value of the output current typical	11 W	12 W	23 W	40 W
• during no-load operation maximum	2 W	2.9 W	2.9 W	4.5 W
closed-loop control				
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %	2 %	3 %	2 %
setting time				
• load step 10 to 90% typical	1 ms	1 ms	2 ms	2 ms
• load step 90 to 10% typical	1 ms	1 ms	2 ms	10 ms
• maximum	2 ms	2 ms	3 ms	10 ms
protection and monitoring				
design of the overvoltage protection	< 32 V	< 32 V	< 32 V	< 32 V
property of the output short-circuit proof	Yes	Yes	Yes	Yes
design of short-circuit protection	Shutdown and periodic restart attempts			
• typical	6 A	12 A	24 A	48 A
overcurrent overload capability				
• in normal operation	overload capability 150 % lout rated up to 5 s/min	overload capability 150 % lout rated up to 5 s/min	overload capability 150 % lout rated up to 5 s/min	overload capability 150 % lout rated up to 5 s/min
safety				
galvanic isolation between input and output	Yes	Yes	Yes	Yes
galvanic isolation	Safety extra low output voltage Vout according to EN 60950-1	Safety extra low output voltage Vout according to EN 60950-1	Safety extra low output voltage Vout according to EN 60950-1	Safety extra low output voltage Vout according to EN 60950-1
operating resource protection class	Class I	Class I	Class I	Class I
leakage current				
• maximum	3.5 mA	3.5 mA	3.5 mA	3.5 mA
protection class IP standard	IP20	IP20	IP20	IP20
• for emitted interference	EN 55022 Class B			

Standard power supplies

SITOP PSU6200

3-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3433-7SB00-0AX0	6EP3434-7SB00-3AX0	6EP3436-7SB00-3AX0	6EP3437-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
• for mains harmonics limitation	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
• for interference immunity	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals				
certificate of suitability				
• CE marking	Yes	Yes	Yes	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• EAC approval	Yes	Yes	Yes	Yes
• Regulatory Compliance Mark (RCM)	Yes	Yes	Yes	Yes
• NEC Class 2	No	No	No	No
• SEMI F47	Yes	Yes	Yes	Yes
type of certification				
• BIS	Yes; R-41188271	Yes; R-41188271	Yes; R-41188271	Yes; R-41183539
• CB-certificate	Yes	Yes	Yes	Yes
standards, specifications, approvals hazardous environments				
certificate of suitability				
• IECEx	No	No	No	No
• ATEX	No	No	No	No
• ULhazloc approval	No	No	No	No
• cCSAus, Class 1, Division 2	No	No	No	No
• FM registration	No	No	No	No
standards, specifications, approvals marine classification				
shipbuilding approval				
Marine classification association	Yes	Yes	Yes	Yes
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	Yes	Yes	Yes
• French marine classification society (BV)	No	No	No	No
• Det Norske Veritas (DNV)	No; in preparation	No; in preparation	No; in preparation	No; in preparation
• Lloyds Register of Shipping (LRS)	No	No	No	No
standards, specifications, approvals Environmental Product Declaration				
Environmental Product Declaration				
Global Warming Potential [CO ₂ eq]	Yes	Yes	Yes	Yes
• total	357.7 kg	393.2 kg	749 kg	1 292.7 kg
• during manufacturing	13.1 kg	16.8 kg	28 kg	39.2 kg
• during operation	344.2 kg	375.8 kg	720 kg	1 252.1 kg
• after end of life	0.33 kg	0.42 kg	0.7 kg	0.97 kg
ambient conditions				
ambient temperature				
• during operation	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C

Technical specifications (continued)

Article number	6EP3433-7SB00-0AX0	6EP3434-7SB00-3AX0	6EP3436-7SB00-3AX0	6EP3437-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
• during transport	-40 ... +85 °C			
• during storage	-40 ... +85 °C			
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation
connection method				
type of electrical connection	push-in terminals	push-in terminals	push-in terminals	push-in terminals
• at input	L1, L2, L3, PE: push-in for 0.5 ... 6 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 6 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 10 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 10 mm ²
• at output	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 6 mm ²	+1, +2, -1, -2, -3: push-in for 0.75 ... 16 mm ²
• for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²
mechanical data				
width × height × depth of the enclosure	35 mm × 125 mm	45 mm × 155 mm	70 mm × 155 mm	95 mm × 155 mm
installation width × mounting height	35 mm	45 mm	70 mm	95 mm
required spacing				
• top	45 mm	45 mm	45 mm	45 mm
• bottom	45 mm	45 mm	45 mm	45 mm
• left	0 mm	0 mm	0 mm	0 mm
• right	0 mm	0 mm	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15			
• standard rail mounting	Yes	Yes	Yes	Yes
• S7 rail mounting	No	No	No	No
• wall mounting	No	No	No	No
housing can be lined up	Yes	Yes	Yes	Yes
net weight	0.7 kg	0.9 kg	1.5 kg	2.1 kg
accessories				
electrical accessories	Buffer module, redundancy module			
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0			
further information internet links				
internet link				
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link	Yes; according to IEC 61406-1:2022	Yes; according to IEC 61406-1:2022		
additional information				
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

Standard power supplies

SITOP PSU6200

3-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3433-7SB00-0AX0	6EP3434-7SB00-3AX0	6EP3436-7SB00-3AX0	6EP3437-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>			
input	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>			
type of the power supply network	3-phase AC or DC	3-phase AC or DC	3-phase AC or DC	3-phase AC or DC
supply voltage at AC				
• minimum rated value	400 V	400 V	400 V	400 V
• maximum rated value	500 V	500 V	500 V	500 V
• initial value	323 V	323 V	323 V	323 V

Technical specifications (continued)

Article number	6EP3433-7SC00-0AX0	6EP3434-7SC00-3AX0	6EP3436-7SC00-3AX0	6EP3437-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
• full-scale value	576 V	576 V	576 V	576 V
input voltage at DC	450 ... 600 V			
buffering time for rated value of the output current in the event of power failure minimum	20 ms	30 ms	25 ms	18 ms
operating condition of the mains buffering	at Vin = 400 V			
line frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz			
input current				
• at rated input voltage 400 V	0.33 A	0.39 A	0.77 A	1.5 A
• at rated input voltage 500 V	0.28 A	0.32 A	0.62 A	1.2 A
current limitation of inrush current at 25 °C maximum	22 A	13 A	17 A	10 A
fuse protection type in the feeder	three-poled coupled circuit breaker from 4 A characteristic C to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)
output				
voltage curve at output	Controlled, isolated DC voltage			
number of outputs	1	1	1	1
output voltage at DC rated value	24 V	24 V	24 V	24 V
output voltage				
• at output 1 at DC rated value	24 V	24 V	24 V	24 V
	24 V	24 V	24 V	24 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	24 ... 28 V; max. 120 W (144 W up to 45°C)	24 ... 28 V; max. 240 W (288 W up to 45°C)	24 ... 28 V; max. 480 W (576 W up to 45°C)	24 ... 28 V; max. 960 W (1152 W up to 45°C)
relative control precision of the output voltage				
• on slow fluctuation of input voltage	0.6 %	0.2 %	0.2 %	0.2 %
• on slow fluctuation of ohm loading	0.6 %	0.1 %	0.1 %	0.1 %
residual ripple				
• maximum	30 mV	30 mV	30 mV	80 mV
• typical	20 mV	20 mV	20 mV	50 mV
voltage peak				
• maximum	30 mV	30 mV	30 mV	80 mV
• typical	20 mV	20 mV	20 mV	30 mV
display version for normal operation	Green LED for 24 V OK			
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K.	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of Vout < 2 %			
response delay maximum	0.5 s	0.5 s	0.5 s	0.5 s
voltage increase time of the output voltage				
• typical	100 ms	100 ms	100 ms	100 ms
output current				
• rated value	5 A	10 A	20 A	40 A
• rated range	0 ... 5 A; 6 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 10 A; 12 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 20 A; 24 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 40 A; 48 A up to +45°C; +60 ... +70 °C: Derating 3%/K

Standard power supplies

SITOP PSU6200

3-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3433-7SC00-0AX0	6EP3434-7SC00-3AX0	6EP3436-7SC00-3AX0	6EP3437-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
supplied active power typical	5 A	10 A	20 A	40 A
short-term overload current	120 W	240 W	480 W	960 W
<ul style="list-style-type: none"> • on short-circuiting during the start-up typical 	6 A	12 A	24 A	48 A
<ul style="list-style-type: none"> • at short-circuit during operation typical 	6 A	12 A	24 A	48 A
parallel switching of outputs		can be set with DIP switch	can be set with DIP switch	can be set with DIP switch
bridging of equipment	No	Yes; switchable characteristic	Yes; switchable characteristic	Yes; switchable characteristic
number of parallel-switched equipment resources		2	2	2
efficiency				
efficiency in percent	91.2 %	95.4 %	95.9 %	96 %
power loss [W]				
<ul style="list-style-type: none"> • at rated output voltage for rated value of the output current typical 	11 W	12 W	23 W	40 W
<ul style="list-style-type: none"> • during no-load operation maximum 	2 W	2.9 W	2.9 W	4.5 W
closed-loop control				
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	2 %	2 %	3 %	2 %
setting time				
<ul style="list-style-type: none"> • load step 10 to 90% typical 	1 ms	1 ms	2 ms	2 ms
<ul style="list-style-type: none"> • load step 90 to 10% typical 	1 ms	1 ms	2 ms	10 ms
<ul style="list-style-type: none"> • maximum 	2 ms	2 ms	3 ms	10 ms
protection and monitoring				
design of the overvoltage protection	< 32 V	< 32 V	< 32 V	< 32 V
property of the output short-circuit proof	Yes	Yes	Yes	Yes
design of short-circuit protection	Shutdown and periodic restart attempts			
<ul style="list-style-type: none"> • typical 	6 A	12 A	24 A	48 A
overcurrent overload capability				
<ul style="list-style-type: none"> • in normal operation 	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min
safety				
galvanic isolation between input and output	Yes	Yes	Yes	Yes
galvanic isolation	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1
operating resource protection class	Class I	Class I	Class I	Class I
leakage current				
<ul style="list-style-type: none"> • maximum 	3.5 mA	3.5 mA	3.5 mA	3.5 mA
protection class IP standard	IP20	IP20	IP20	IP20
<ul style="list-style-type: none"> • for emitted interference 	EN 55022 Class B			
<ul style="list-style-type: none"> • for mains harmonics limitation 	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals				
certificate of suitability				
<ul style="list-style-type: none"> • CE marking 	Yes	Yes	Yes	Yes

Technical specifications (continued)

Article number	6EP3433-7SC00-0AX0	6EP3434-7SC00-3AX0	6EP3436-7SC00-3AX0	6EP3437-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
• CSA approval	Yes; CSA C22.2 No. 62368-1			
• UKCA marking	Yes	Yes	Yes	Yes
• EAC approval	Yes	Yes	Yes	Yes
• Regulatory Compliance Mark (RCM)	Yes	Yes	Yes	Yes
• NEC Class 2	No	No	No	No
• SEMI F47	Yes	Yes	Yes	Yes
type of certification				
• BIS	Yes; R-41188271	Yes; R-41188271	Yes; R-41188271	
• CB-certificate	Yes	Yes	Yes	Yes
standards, specifications, approvals hazardous environments				
certificate of suitability				
• IECEx	Yes; IECEx Ex ec IIC T4 Gc			
• ATEX	Yes; ATEX (EX) II 3G Ex ec IIC T4 Gc	Yes; ATEX (EX) II 3G Ex ec IIC T4 Gc	Yes; ATEX (EX) II 3G Ex ec IIC T4 Gc	Yes; ATEX (EX) II 3G Ex ec IIC T4 Gc
• ULhazloc approval	Yes	Yes	Yes	Yes
• cCSAus, Class 1, Division 2	Yes	Yes	Yes	Yes
• FM registration	No	No	No	No
standards, specifications, approvals marine classification				
shipbuilding approval	Yes	Yes	Yes	Yes
Marine classification association				
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	Yes	Yes	Yes
• French marine classification society (BV)	No	No	No	No
• Det Norske Veritas (DNV)	No; in preparation	No; in preparation	No; in preparation	No; in preparation
• Lloyds Register of Shipping (LRS)	No	No	No	No
standards, specifications, approvals Environmental Product Declaration				
Environmental Product Declaration	Yes	Yes	Yes	Yes
Global Warming Potential [CO ₂ eq]				
• total	357.7 kg	393.2 kg	749 kg	1 292.7 kg
• during manufacturing	13.1 kg	16.8 kg	28 kg	39.2 kg
• during operation	344.2 kg	375.8 kg	720 kg	1 252.1 kg
• after end of life	0.33 kg	0.42 kg	0.7 kg	0.97 kg
ambient conditions				
ambient temperature				
• during operation	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C
• during transport	-40 ... +85 °C			
• during storage	-40 ... +85 °C			
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation
connection method				
type of electrical connection	push-in terminals	push-in terminals	push-in terminals	push-in terminals
• at input	L1, L2, L3, PE: push-in for 0.5 ... 6 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 6 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 10 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 10 mm ²

Standard power supplies

SITOP PSU6200

3-phase, 24 V DC

Technical specifications (continued)

Article number	6EP3433-7SC00-0AX0	6EP3434-7SC00-3AX0	6EP3436-7SC00-3AX0	6EP3437-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
• at output	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 6 mm ²	+1, +2, -1, -2, -3: push-in for 0.75 ... 16 mm ²
• for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²
mechanical data				
width × height × depth of the enclosure	35 mm × 125 mm	45 mm × 155 mm	70 mm × 155 mm	95 mm × 155 mm
installation width × mounting height	35 mm	45 mm	70 mm	95 mm
required spacing				
• top	45 mm	45 mm	45 mm	45 mm
• bottom	45 mm	45 mm	45 mm	45 mm
• left	0 mm	0 mm	0 mm	0 mm
• right	0 mm	0 mm	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15			
• standard rail mounting	Yes	Yes	Yes	Yes
• S7 rail mounting	No	No	No	No
• wall mounting	No	No	No	No
housing can be lined up	Yes	Yes	Yes	Yes
net weight	0.7 kg	0.9 kg	1.5 kg	2.1 kg
accessories				
electrical accessories	Buffer module, redundancy module			
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0			
further information internet links				
internet link				
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link	Yes; according to IEC 61406-1:2022	Yes; according to IEC 61406-1:2022		
additional information				
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

Technical specifications (continued)

Article number	6EP3433-7SC00-0AX0	6EP3434-7SC00-3AX0	6EP3436-7SC00-3AX0	6EP3437-7SC00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	24 V/5 A	24 V/10 A	24 V/20 A	24 V/40 A
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. 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More information

Select the appropriate power supply quickly and easily with the TIA Selection Tool:

<https://www.siemens.com/ts>

Standard power supplies

SITOP PSU6200

3-phase, 48 V DC

Overview



SITOP PSU6200 3-phase, 48 V family

Stabilized 3-phase power supplies with 400 to 500 V AC input in two power levels.

Product highlights

- 3-phase, 48 V DC/5 A, 10 A and 20 A
- Can be expanded with SITOP RED1200 redundancy modules
 - Slim width
 - High dielectric strength
 - In SITOP PSU6200 design
- Expandable with SITOP SEL1200 48 V/4 x 10 A selectivity module
 - Switching characteristic
 - With monitoring interface
 - In PSU6200 design

Selection and ordering data

SITOP PSU6200 3-phase, 48 V DC/5 A	6EP3444-7SB00-3AX0
Stabilized power supply Input: 400 ... 500 V AC Output: 48 V DC/5 A	
SITOP PSU6200 3-phase, 48 V DC/10 A	6EP3446-7SB00-3AX0
Stabilized power supply Input: 400 ... 500 V AC Output: 48 V DC/10 A	
SITOP PSU6200 3-phase, 48 V DC/20 A	6EP3447-7SB00-3AX0
Stabilized power supply Input: 400 ... 500 V AC Output: 48 V DC/20 A	

Accessories

SITOP RED1200 redundancy module	6EP4346-7RB00-0AX0
Input/output: 12 V DC, 24 V, 48 V/20 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 10 A output current each	
SITOP RED1200 redundancy module	6EP4347-7RB00-0AX0
Input/output: 12 V DC, 24 V, 48 V/40 A (maximum total current) Suitable for decoupling two SITOP power supplies with a maximum of 20 A output current each	
SITOP SEL1200 48 V/4 x 10 A selectivity module	6EP4448-7FB00-3CX0
Selectivity module 4-channel with switching characteristic Input: 48 V DC/40 A Output: 48 V DC/4 x 10 A Threshold value adjustable 1-10 A, with monitoring interface	
SIMATIC ET 200SP labels	6ES7193-6LF30-0AW0
160 equipment labeling plates, 10 sheets (160 plates)	

Technical specifications

Article number	6EP3444-7SB00-3AX0	6EP3446-7SB00-3AX0	6EP3447-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A	48 V/20 A
input			
type of the power supply network	3-phase AC or DC	3-phase AC or DC	3-phase AC or DC
supply voltage at AC			
• minimum rated value	400 V	400 V	400 V
• maximum rated value	500 V	500 V	500 V
• initial value	323 V	323 V	323 V
• full-scale value	576 V	576 V	576 V
input voltage at DC	450 ... 600 V	450 ... 600 V	450 ... 600 V
buffering time for rated value of the output current in the event of power failure minimum	30 ms	25 ms	18 ms
operating condition of the mains buffering	at $V_{in} = 400\text{ V}$	at $V_{in} = 400\text{ V}$	at $V_{in} = 400\text{ V}$
line frequency	50 Hz/60 Hz	50 Hz/60 Hz	50 Hz/60 Hz
line frequency	47 ... 63 Hz	47 ... 63 Hz	47 ... 63 Hz
input current			
• at rated input voltage 400 V	0.39 A	0.77 A	1.5 A
• at rated input voltage 500 V	0.31 A	0.62 A	1.2 A
current limitation of inrush current at 25 °C maximum	12 A	17 A	10 A
fuse protection type in the feeder	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)	three-poled coupled circuit breaker from 4 A characteristic C to 16 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)
output			
voltage curve at output	Controlled, isolated DC voltage	Controlled, isolated DC voltage	Controlled, isolated DC voltage
number of outputs	1	1	1
output voltage at DC rated value	48 V	48 V	48 V
output voltage			
• at output 1 at DC rated value	48 V	48 V	48 V
	48 V	48 V	48 V
output voltage adjustable	Yes; via potentiometer	Yes; via potentiometer	Yes; via potentiometer
adjustable output voltage	48 ... 56 V; max. 240 W (288 W up to 45°C)	48 ... 56 V; max. 480 W (576 W up to 45°C)	48 ... 56 V; max. 960 W (1152 W up to 45°C)
relative control precision of the output voltage			
• on slow fluctuation of input voltage	0.2 %	0.3 %	0.2 %
• on slow fluctuation of ohm loading	0.2 %	0.3 %	0.1 %
residual ripple			
• maximum	40 mV	40 mV	100 mV
• typical	10 mV	10 mV	80 mV
voltage peak			
• maximum	40 mV	30 mV	80 mV
• typical	10 mV	20 mV	30 mV
display version for normal operation	Green LED for 48 V OK	Green LED for 48 V OK	Green LED for 48 V OK
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of $V_{out} < 2\%$	Overshoot of $V_{out} < 2\%$	Overshoot of $V_{out} < 1\%$
response delay maximum	0.5 s	0.5 s	0.5 s
voltage increase time of the output voltage			
• typical	200 ms	200 ms	200 ms
output current			
• rated value	5 A	10 A	20 A
• rated range	0 ... 5 A; 6 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 10 A; 12 A up to +45°C; +60 ... +70 °C: Derating 3%/K	0 ... 20 A; 24 A up to +45°C; +60 ... +70 °C: Derating 3%/K

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SITOP PSU6200

3-phase, 48 V DC

Technical specifications (continued)

Article number	6EP3444-7SB00-3AX0	6EP3446-7SB00-3AX0	6EP3447-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A	48 V/20 A
supplied active power typical	5 A	10 A	20 A
short-term overload current	240 W	480 W	960 W
<ul style="list-style-type: none"> on short-circuiting during the start-up typical 	7.5 A	15 A	30 A
<ul style="list-style-type: none"> at short-circuit during operation typical 	7.5 A	15 A	30 A
parallel switching of outputs	can be set with DIP switch	can be set with DIP switch	can be set with DIP switch
bridging of equipment	Yes; switchable characteristic	Yes; switchable characteristic	Yes; switchable characteristic
number of parallel-switched equipment resources	2	2	2
efficiency			
efficiency in percent	95.6 %	96.2 %	96.6 %
power loss [W]			
<ul style="list-style-type: none"> at rated output voltage for rated value of the output current typical 	11 W	19 W	32 W
<ul style="list-style-type: none"> during no-load operation maximum 	2.9 W	3 W	4.5 W
closed-loop control			
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	1 %	3 %	4 %
setting time			
<ul style="list-style-type: none"> load step 10 to 90% typical 	5 ms	5 ms	4 ms
<ul style="list-style-type: none"> load step 90 to 10% typical 	5 ms	5 ms	10 ms
<ul style="list-style-type: none"> maximum 	5 ms	5 ms	10 ms
protection and monitoring			
design of the overvoltage protection	< 60 V	< 60 V	< 60 V
property of the output short-circuit proof	Yes	Yes	Yes
design of short-circuit protection	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts	Shutdown and periodic restart attempts
<ul style="list-style-type: none"> typical 	7.5 A	15 A	24 A
overcurrent overload capability			
<ul style="list-style-type: none"> in normal operation 	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min	overload capability 150 % I _{out} rated up to 5 s/min
safety			
galvanic isolation between input and output	Yes	Yes	Yes
galvanic isolation	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1	Safety extra low output voltage V _{out} according to EN 60950-1
operating resource protection class	Class I	Class I	Class I
leakage current			
<ul style="list-style-type: none"> maximum 	3.5 mA	3.5 mA	3.5 mA
protection class IP	IP20	IP20	IP20
standard			
<ul style="list-style-type: none"> for emitted interference 	EN 55022 Class B	EN 55022 Class B	EN 55022 Class B
<ul style="list-style-type: none"> for mains harmonics limitation 	EN 61000-3-2	EN 61000-3-2	EN 61000-3-2
<ul style="list-style-type: none"> for interference immunity 	EN 61000-6-2	EN 61000-6-2	EN 61000-6-2
standards, specifications, approvals			
certificate of suitability			
<ul style="list-style-type: none"> CE marking 	Yes	Yes	Yes
<ul style="list-style-type: none"> UL approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)
<ul style="list-style-type: none"> CSA approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 62368-1, UL 62368-1)
<ul style="list-style-type: none"> EAC approval 	Yes	Yes	Yes

Technical specifications (continued)

Article number	6EP3444-7SB00-3AX0	6EP3446-7SB00-3AX0	6EP3447-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A	48 V/20 A
• Regulatory Compliance Mark (RCM)	Yes	Yes	Yes
• NEC Class 2	No	No	No
• SEMI F47	Yes	Yes	Yes
type of certification			
• BIS	Yes; R-41188271	Yes; R-41188271	Yes; R-41183539
• CB-certificate	Yes	Yes	Yes
standards, specifications, approvals hazardous environments			
certificate of suitability			
• IECEx	No	No	No
• ATEX	No	No	No
• ULhazloc approval	No	No	No
• cCSAus, Class 1, Division 2	No	No	No
• FM registration	No	No	No
standards, specifications, approvals marine classification			
shipbuilding approval	Yes	Yes	Yes
Marine classification association			
• American Bureau of Shipping Europe Ltd. (ABS)	Yes	Yes	Yes
• French marine classification society (BV)	No	No	No
• Det Norske Veritas (DNV)	No; in preparation	No; in preparation	No; in preparation
• Lloyds Register of Shipping (LRS)	No	No	No
standards, specifications, approvals Environmental Product Declaration			
Environmental Product Declaration	Yes	Yes	Yes
Global Warming Potential [CO ₂ eq]			
• total	361.6 kg	623.7 kg	1 042.1 kg
• during manufacturing	16.8 kg	28 kg	39.2 kg
• during operation	344.2 kg	594.7 kg	1 001.5 kg
• after end of life	0.42 kg	0.7 kg	0.97 kg
ambient conditions			
ambient temperature			
• during operation	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C
• during transport	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
• during storage	-40 ... +85 °C	-40 ... +85 °C	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation	Climate class 3K3, 5 ... 95% no condensation
connection method			
type of electrical connection	push-in terminals	push-in terminals	push-in terminals
• at input	L1, L2, L3, PE: push-in for 0.5 ... 6 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 10 mm ²	L1, L2, L3, PE: push-in for 0.5 ... 10 mm ²
• at output	+1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm ²	+1, +2, -1, -2, -3: push-in for 0.5 ... 6 mm ²	+1, +2, -1, -2, -3: push-in for 0.75 ... 16 mm ²
• for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm ²
mechanical data			
width × height × depth of the enclosure	45 mm × 155 mm	70 mm × 155 mm	95 mm × 155 mm
installation width × mounting height	45 mm	70 mm	95 mm

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Technical specifications (continued)

Article number	6EP3444-7SB00-3AX0	6EP3446-7SB00-3AX0	6EP3447-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A	48 V/20 A
required spacing			
• top	45 mm	45 mm	45 mm
• bottom	45 mm	45 mm	45 mm
• left	0 mm	0 mm	0 mm
• right	0 mm	0 mm	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15	Snaps onto DIN rail EN 60715 35x7.5/15
• standard rail mounting	Yes	Yes	Yes
• S7 rail mounting	No	No	No
• wall mounting	No	No	No
housing can be lined up	Yes	Yes	Yes
net weight	0.9 kg	1.5 kg	2.1 kg
accessories			
electrical accessories	Redundancy module	Redundancy module	Buffer module, redundancy module
mechanical accessories			Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
further information internet links			
internet link			
• to website: Industry Mall	https://mall.industry.siemens.com	https://mall.industry.siemens.com	https://mall.industry.siemens.com
• to web page: selection aid TIA Selection Tool	https://siemens.com/tst	https://siemens.com/tst	https://siemens.com/tst
• to website: Industrial communication	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net	http://www.siemens.com/simatic-net
• to website: CAx-Download-Manager	http://www.siemens.com/cax	http://www.siemens.com/cax	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com	https://support.industry.siemens.com	https://support.industry.siemens.com
identification link	Yes; according to IEC 61406-1:2022		
additional information			
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)
security information			
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-

Technical specifications (continued)

Article number	6EP3444-7SB00-3AX0	6EP3446-7SB00-3AX0	6EP3447-7SB00-3AX0
product brand name	SITOP PSU6200	SITOP PSU6200	SITOP PSU6200
type of current supply	48 V/5 A	48 V/10 A	48 V/20 A
	industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert.(V4.7)	industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert.(V4.7)	industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert.(V4.7)

More information

Select the appropriate power supply quickly and easily with the TIA Selection Tool:

<http://www.siemens.com/tst>