**Data sheet** 

## 6EP3446-7SB00-3AX0



## SITOP PSU6200/3AC/DC48V/10A

SITOP PSU6200 48 V/10 A Stabilized power supply Input: 400 - 500 V AC Output: 48 V DC/10 A with diagnostic interface

nput		
type of the power supply network	3-phase AC or DC	
supply voltage at AC		
<ul> <li>minimum rated value</li> </ul>	400 V	
maximum rated value	500 V	
• initial value	323 V	
• full-scale value	576 V	
supply voltage at DC	500 550 V	
input voltage at DC	450 600 V	
buffering time for rated value of the output current in the event of power failure minimum	25 ms	
operating condition of the mains buffering	at Vin = 400 V	
line frequency	50/60 Hz	
line frequency	47 63 Hz	
input current		
<ul> <li>at rated input voltage 400 V</li> </ul>	0.77 A	
at rated input voltage 500 V	0.62 A	
current limitation of inrush current at 25 °C maximum	17 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)	
output		
voltage curve at output	Controlled, isolated DC voltage	
number of outputs	1	
output voltage at DC rated value	48 V	
output voltage		
at output 1 at DC rated value	48 V	
output voltage adjustable	Yes; via potentiometer	
adjustable output voltage	48 56 V; max. 480 W (576 W up to 45°C)	
relative overall tolerance of the voltage	3 %	
relative control precision of the output voltage		
on slow fluctuation of input voltage	0.3 %	
<ul> <li>on slow fluctuation of ohm loading</li> </ul>	0.3 %	
residual ripple		
• maximum	40 mV	
• typical	10 mV	
voltage peak		
• maximum	30 mV	
• typical	20 mV	
display version for normal operation	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	
behavior of the output voltage when switching on	Overshoot of Vout < 2 %	
response delay maximum	0.5 s	
voltage increase time of the output voltage		
• typical	200 ms	
output current		
rated value	10 A	
rated range	0 10 A; 12 A up to +45°C; +60 +70 °C: Derating 3%/K	
supplied active power typical	480 W	
short-term overload current		
<ul> <li>on short-circuiting during the start-up typical</li> </ul>	15 A	
at short-circuit during operation typical	15 A	
parallel switching of outputs	can be set with DIP switch	
bridging of equipment	Yes; switchable characteristic	
number of parallel-switched equipment resources for increasing the power	2	
efficiency		
efficiency in percent	96.2 %	
power loss [W]		
at rated output voltage for rated value of the output current typical	19 W	
during no-load operation maximum	3 W	
closed-loop control		
relative control precision of the output voltage at load step of	3 %	
resistive load 10/90/10 % typical setting time		
load step 10 to 90% typical	5 ms	
• load step 90 to 10% typical	5 ms	
• maximum	5 ms	
protection and monitoring	O HID	
design of the overvoltage protection	< 60 V	
property of the output short-circuit proof	Yes	
design of short-circuit protection	Shutdown and periodic restart attempts	
typical	15 A	
overcurrent overload capability		
in normal operation	overload capability 150 % lout rated up to 5 s/min	
safety	overload capability 150 % four faced up to 5 3/11111	
	Voc	
galvanic isolation between input and output	Yes	
galvanic isolation	ES1 output voltage Vout according to EN 62368-1	
operating resource protection class	Class I	
leakage current		
• maximum	3.5 mA	
protection class IP	IP20	
EMC		
standard		
• for emitted interference	EN 55022 Class B	
<ul> <li>for mains harmonics limitation</li> </ul>	EN 61000-3-2	
for interference immunity	EN 61000-6-2	
standards, specifications, approvals		
certificate of suitability		
CE marking	Yes	
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)	
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)	
UKCA marking	Yes	
EAC approval	Yes	
<ul> <li>Regulatory Compliance Mark (RCM)</li> </ul>	Yes	
• NEC Class 2	No	
SEMI F47	Yes	
• SEIVII F47		
type of certification		

standards, specifications, approvals hazardous environments certificate of substititing + ICCIX + ICX	CB-certificate	Yes	
certificate of suitability  • ECEC  • ATEX  • Linzbox approval  • CS-Sun, Class 1, Division 2 • Min agripation  * Min ag			
FIECE   ATEX   No   - ATEX   No   - CASPAIS, Class 1, Division 2   No   - EM algositations approved   No   - EM algositations approved   No   - EM algositations approved   Yes     Marine classification association     Annexine niterate of bits pring Europe Lts. (ABS)   Yes     French marine classification acoisty (BV)   No   - Chot Norsk Vertas (DNV)   Yes     - French marine classification acoisty (BV)   Yes     - Lotte Votas Vertas (DNV)   Yes     - French marine classification acoisty (BV)   Yes     - French marine classification (BV)   Yes     - French marine classification (BV)   Yes     - French marine classification (BV)   Y			
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Standards, specifications, approvals marine classification   Yes			
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Environmental Product Declaration  global warming potential (CO2 eq)  • total  • during manufacturing • during operation • after end of life • 0.7 kg  ambient temperature • during operation • during storage • environmental category according to IEC 60721  Connection method  type of electrical connection • at input • at output • for auxiliary contacts  11, L2, L3, PE: push-in for 0.5 10 mm² • at output • for auxiliary contacts  13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm²  mechanical data  width × height × depth of the enclosure installation width × mounting height  70 mm × 225 mm  required spacing • top • bottom • left • onm • left • onm • left • onm • wall mounting • No • wall mounting • No • wall mounting • No • wall mounting • to web piece click of a IJ. Selection Tool • to web page; power supplies • to website: CAx-Download-Manager • to website: Industry Online Support  dictitional information  other information	11 21 1		
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at input at output at output at output at output at 1, +2, -1, -2, -3; push-in for 0.5 10 mm² +1, +2, -1, -2, -3; push-in for 0.5 6 mm²  13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm²  mechanical data  width × height × depth of the enclosure installation width × mounting height  required spacing  top at 5 mm  bottom bottom bottom at 5 mm  bottom at 6 mm  bottom at 70 mm × 225 mm  required spacing  top at 6 mm  bottom bottom at 70 mm at 70	connection method		
• at output • for auxiliary contacts  13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm²  mechanical data  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top • bottom • left • right • right • DIN-rail mounting • S7 rail mounting • wall mounting • wall mounting • wall mounting • to to web page: selection aid TIA Selection Tool • to web page: selection aid TIA Selection Tool • to web site: Industry Online Support  additional information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	type of electrical connection	push-in terminals	
• at output • for auxiliary contacts  13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm²  mechanical data  width × height × depth of the enclosure  installation width × mounting height  required spacing  • top • bottom • left • right • right • DIN-rail mounting • S7 rail mounting • wall mounting • wall mounting • wall mounting • to webgite: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: selection aid TIA Selection Tool • to website: Industry Online Support  additional information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	•	·	
• for auxiliary contacts  mechanical data  width × height × depth of the enclosure installation width × mounting height  70 × 135 × 155 mm  70 mm × 225 mm  required spacing  • top • bottom • left • right • right • o mm  5 Saps onto DIN rail EN 60715 35x7.5/15  • vall mounting • S7 rail mounting • wall mounting • wall mounting • wall mounting • wall mounting • bottom • bottom • bottom • bottom • Left • right • o mm  fastening method • DIN-rail mounting • S7 rail mounting • S7 rail mounting • wall mounting • wall mounting • wall mounting • wall mounting • to web pate inhed up • net weight • to web site: Industry Mall • to web page: selection aid TIA Selection Tool • to web page: power supplies • to website: Industry Online Support  additional information  other information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	•	· · · · · · · ·	
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net weight  accessories  electrical accessories  Redundancy module  further information internet links  internet link  • to website: Industry Mall  • to web page: selection aid TIA Selection Tool  • to web page: power supplies  • to website: CAx-Download-Manager  • to website: Industry Online Support  additional information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)		Yes	
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electrical accessories  further information internet links  internet link  • to website: Industry Mall  • to web page: selection aid TIA Selection Tool  • to web page: power supplies  • to website: CAx-Download-Manager  • to website: Industry Online Support  additional information  Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)			
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<ul> <li>to website: Industry Mall</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: power supplies</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> <li>additional information</li> <li>Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)</li> </ul>	further information internet links		
<ul> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: power supplies</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> <li>https://siemens.com/cax</li> <li>to website: Industry Online Support</li> <li>https://support.industry.siemens.com</li> </ul> additional information Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	internet link		
<ul> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: power supplies</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> <li>https://siemens.com/cax</li> <li>to website: Industry Online Support</li> <li>https://support.industry.siemens.com</li> </ul> additional information Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	• to website: Industry Mall	https://mall.industry.siemens.com	
<ul> <li>to web page: power supplies         <ul> <li>https://siemens.com/sitop</li> </ul> </li> <li>to website: CAx-Download-Manager         <ul> <li>https://siemens.com/cax</li> </ul> </li> <li>to website: Industry Online Support         <ul> <li>https://support.industry.siemens.com</li> </ul> </li> <li>additional information         <ul> <li>Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)</li> </ul> </li> </ul>	·		
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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)

	Version	Classification
eClass	14	27-04-07-01
eClass	12	27-04-07-01
eClass	9.1	27-04-07-01
eClass	9	27-04-07-01
eClass	8	27-04-90-02
eClass	7.1	27-04-90-02
eClass	6	27-04-90-02
ETIM	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

## **Approvals Certificates**

**General Product Approval** 



Manufacturer Declaration





**Declaration of Con**formity



**General Product Approval** 

Marine / Shipping

**Environment** 





**Miscellaneous** 

**BIS CRS** 





last modified:

4/4/2025