SIEMENS

Data sheet

6EP3447-7SB00-3AX0



SITOP PSU6200/3AC/48VDC/20A

SITOP PSU6200 48 V/20 A stabilized power supply input: 400 - 500 V AC output: 48 V DC/20 A with diagnostic interface

Input type of the power supply network 3-phase AC or DC supply voltage at AC 400 V • minimum rated value • maximum rated value 500 V • initial value 323 V 576 V • full-scale value input voltage • at DC 450 ... 600 V operating condition of the mains buffering at Vin = 400 V buffering time for rated value of the output current in the 18 ms event of power failure minimum operating condition of the mains buffering at Vin = 400 V line frequency • 1 rated value 50 Hz • 2 rated value 60 Hz 47 ... 63 Hz line frequency input current • at rated input voltage 400 V 1.5 A • at rated input voltage 500 V 1.2 A current limitation of inrush current at 25 °C maximum 10 A fuse protection type three-poled coupled circuit breaker from 4 A characteristic C to 16 A • in the feeder 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
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
 on slow fluctuation of input voltage 	0.2 %
 on slow fluctuation of ohm loading 	0.1 %
residual ripple	
maximum	100 mV
• typical	80 mV
voltage peak	
maximum	80 mV
• typical	30 mV
adjustable output voltage	48 56 V

product function output voltage adjustable type of output voltage setting display version for normal operation type of signal at output behavior of the output voltage when switching on response delay maximum voltage increase time of the output voltage • typical output current • rated value • rated value • at short-circuiting during the start-up typical • at short-circuit during operation typical product feature • parallel switching of outputs • bridging of equipment number of parallel-switched equipment resources for increasing the power Efficiency efficiency in percent power loss [W] • at rated output voltage for rated value of the output current typical • during no-load operation maximum • load step 9 to 10% typical • load step 9 to 10% typical • load step 9 to 10% typical • maximum Protection and monitoring design of the output short-circuit proof Yes Vers Ve
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Protection and monitoring design of the overvoltage protection ● typical 60 V 24 A
design of the overvoltage protection < 60 V ◆ typical 24 A
• typical 24 A
property of the output short-circuit proof Yes
design of short-circuit protection Shutdown and periodic restart attempts
overcurrent overload capability in normal operation overload capability 150 % lout rated up to 5 s/min
Safety
galvanic isolation between input and output Yes
galvanic isolation Safety extra low output voltage Vout according to EN 60950-1
operating resource protection class Class I
leakage current
• maximum 3.5 mA
protection class IP IP20
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;
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• cCSAus, Class 1, Division 2
• CCSAUS, Class 1, Division 2 • ATEX No
• ATEX No
• ATEX No certificate of suitability
◆ ATEX certificate of suitability ◆ IECEx No
 ATEX Certificate of suitability IECEX NEC Class 2 No
 ATEX certificate of suitability IECEX NEC Class 2 ULhazloc approval No No

EAC approval	Yes
 KC approval 	No
• C-Tick	No
 Regulatory Compliance Mark (RCM) 	No
certificate of suitability shipbuilding approval	Yes
shipbuilding approval	ABS; in process: DNV
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 French marine classification society (BV) 	No
DNV GL	No
 Lloyds Register of Shipping (LRS) 	No
 Nippon Kaiji Kyokai (NK) 	No
EMC	
standard	
 for emitted interference 	EN 55022 Class B
 for mains harmonics limitation 	EN 61000-3-2
• for interference immunity	EN 61000-6-2
environmental 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
 during transport 	-40 +85 °C
 during storage 	-40 +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
Mechanics	
type of electrical connection	Push-in terminals
• at input	L1, L2, L3, PE: PushIn for 0.5 10 mm ²
at output	+1, +2, -1, -2, -3: PushIn 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
width of the enclosure	95 mm
height of the enclosure	135 mm
depth of the enclosure	155 mm
required spacing	
• top	45 mm
• bottom	45 mm
● left	0 mm
• right	0 mm
net weight	2.1 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
electrical accessories	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
other information	Specifications at rated input voltage and ambient temperature +25 °C
	(unless otherwise specified)

