SIEMENS

Data sheet

6EP3346-7SB00-3AX0



SITOP PSU6200/1AC/DC48V/10A

SITOP PSU6200 48 V/10 A stabilized power supply input: 120/230 V AC output: 48 V DC/10 A with diagnostic interface

nput	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
minimum rated value	120 V
 maximum rated value 	240 V
● initial value	85 V
• full-scale value	264 V
supply voltage	
• at DC	110 240 V
input voltage	
• at DC	85 275 V
design of input wide range input	Yes
overvoltage overload capability	300 V AC for 30 s
operating condition of the mains buffering	at Vin = 240 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 = 240 V
line frequency	
• 1 rated value	50 Hz
• 2 rated value	60 Hz
line frequency	47 63 Hz
input current	
 at rated input voltage 120 V 	4.3 A
 at rated input voltage 240 V 	2.3 A
current limitation of inrush current at 25 °C maximum	11 A
fuse protection type	10 A
• in the feeder	Circuit breaker from 6 A characteristic B to 16 A characteristic C or circuit breaker 3RV2011-1HA10 (setting 8A) or 3RV2711-1HD10 (UL 489)
Dutput	
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 	0.3 %
 on slow fluctuation of ohm loading 	0.2 %
residual ripple	
• maximum	70 mV
• typical	20 mV

veltage peak	
voltage peak	40 m)/
• maximum	40 mV
• typical	20 mV
adjustable output voltage	48 56 V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer; max. 480 W (576 W up to 45°C)
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	
 on short-circuiting during the start-up typical 	15 A
 at short-circuit during operation typical 	15 A
product feature	
parallel switching of outputs	can be set with DIP switch
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for increasing	2
the power	-
Efficiency	
efficiency in percent	95.8 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	21 W
 during no-load operation maximum 	2.5 W
Closed-loop control	
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	3 %
setting time	
 load step 10 to 90% typical 	5 ms
i i i vir vir i i	
load step 90 to 10% typical	5 ms
	5 ms 5 ms
 load step 90 to 10% typical 	
load step 90 to 10% typical maximum Protection and monitoring	
load step 90 to 10% typicalmaximum	5 ms
load step 90 to 10% typical maximum Protection and monitoring design of the overvoltage protection typical	5 ms < 60 V
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load step 90 to 10% typical maximum Protection and monitoring design of the overvoltage protection • typical property of the output short-circuit proof design of short-circuit protection overcurrent overload capability in normal operation Safety galvanic isolation between input and output	5 ms < 60 V 15 A Yes Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min Yes
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load step 90 to 10% typical maximum Protection and monitoring design of the overvoltage protection typical property of the output short-circuit proof design of short-circuit protection overcurrent overload capability in normal operation Safety galvanic isolation between input and output galvanic isolation operating resource protection class 	5 ms < 60 V 15 A Yes Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min Yes
load step 90 to 10% typical maximum Protection and monitoring design of the overvoltage protection typical property of the output short-circuit proof design of short-circuit protection overcurrent overload capability in normal operation Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current 	5 ms < 60 V 15 A Yes Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min Yes Safety extra low output voltage Vout according to EN 60950-1 Class I
load step 90 to 10% typical maximum Protection and monitoring design of the overvoltage protection typical property of the output short-circuit proof design of short-circuit protection overcurrent overload capability in normal operation Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current maximum	5 ms < 60 V 15 A Yes Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min Yes Safety extra low output voltage Vout according to EN 60950-1 Class I 3.5 mA
load step 90 to 10% typical maximum Protection and monitoring design of the overvoltage protection typical property of the output short-circuit proof design of short-circuit protection overcurrent overload capability in normal operation Safety galvanic isolation between input and output galvanic isolation operating resource protection class leakage current maximum protection class IP 	5 ms < 60 V 15 A Yes Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min Yes Safety extra low output voltage Vout according to EN 60950-1 Class I
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	Ne
NEC Class 2	No
ULhazloc approval	No
• FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	
 EAC approval 	Yes
• 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/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 6 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	70 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	1.5 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	Redundancy module
other information	Specifications at rated input voltage and ambient temperature +25 $^\circ\text{C}$ (unless otherwise specified)

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