## **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

Input	
type of the power supply network	1-phase AC or DC
supply voltage at AC	
<ul> <li>minimum rated value</li> </ul>	120 V
<ul> <li>maximum rated value</li> </ul>	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	
<ul> <li>at rated input voltage 120 V</li> </ul>	4.3 A
<ul> <li>at rated input voltage 240 V</li> </ul>	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)

- Catput	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	1
output voltage at DC rated value	48 V
output voltage	
<ul> <li>at output 1 at DC rated value</li> </ul>	48 V
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
<ul> <li>on slow fluctuation of input voltage</li> </ul>	0.3 %
<ul> <li>on slow fluctuation of ohm loading</li> </ul>	0.2 %
residual ripple	
• maximum	70 mV
• typical	20 mV

Output

voltage peak	40. 14
• 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	
<ul> <li>on short-circuiting during the start-up typical</li> </ul>	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	2
increasing the power	
Efficiency	
efficiency in percent	95.8 %
power loss [W]	
<ul> <li>at rated output voltage for rated value of the output</li> </ul>	21 W
current typical	
during no-load operation maximum	2.5 W
Closed-loop control	
relative control precision of the output voltage at load step	3 %
of resistive load 10/90/10 % typical	
of resistive load 10/90/10 % typical setting time	
of resistive load 10/90/10 % typical setting time  ● load step 10 to 90% typical	5 ms
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical  • load step 90 to 10% typical	5 ms
of resistive load 10/90/10 % typical setting time  ■ load step 10 to 90% typical  ■ load step 90 to 10% typical  ■ maximum	
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • load step 90 to 10% typical • maximum  Protection and monitoring	5 ms 5 ms
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • load step 90 to 10% typical • maximum  Protection and monitoring design of the overvoltage protection	5 ms 5 ms < 60 V
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • load step 90 to 10% typical • maximum  Protection and monitoring  design of the overvoltage protection • typical	5 ms 5 ms < 60 V 15 A
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • load step 90 to 10% typical • maximum  Protection and monitoring  design of the overvoltage protection • typical property of the output short-circuit proof	5 ms 5 ms -< 60 V 15 A Yes
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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	5 ms 5 ms 7 ms 7 ms 8 ms 1
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • load step 90 to 10% typical • maximum  Protection and monitoring  design of the overvoltage protection • typical property of the output short-circuit proof	5 ms 5 ms -< 60 V 15 A Yes
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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	5 ms 5 ms 7 ms 7 ms 8 ms 1
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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	5 ms 5 ms 7 ms 7 ms 8 ms 1
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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	5 ms 5 ms  < 60 V 15 A Yes Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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 5 ms  < 60 V 15 A Yes Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min  Yes
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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	5 ms 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
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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 resource protection class	5 ms 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
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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 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
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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 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
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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 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
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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  Approvals	5 ms 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
of resistive load 10/90/10 % typical setting time	5 ms 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 IP20  Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259;
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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  Approvals  certificate of suitability • CE marking	5 ms 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 IP20  Yes 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;
of resistive load 10/90/10 % typical setting time  • load step 10 to 90% typical • 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  Approvals  certificate of suitability • CE marking • UL approval  • CSA approval	5 ms 5 ms 5 ms <a href="#">&lt; 60 V</a> 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 IP20  Yes 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)
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FM registration	No
type of certification CB-certificate	Yes
certificate of suitability	165
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	ABO, III process. Bivv
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	EN 01000 0 2
ambient temperature	
during operation	-30 +70 °C; with natural convection a monotonically increasing start-
• during operation	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:PushIn for 0.5 4 mm² single-core/finely stranded
at output	+1, +2, -1, -2, -3: PushIn for 0.5 6 mm <sup>2</sup>
for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm <sup>2</sup>
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 °C (unless otherwise specified)

