SIEMENS

Data sheet

6EP3336-3SB00-0AX0



SITOP PSU4200/1AC/24VDC/20A

SITOP PSU4200 1AC 24 V/20 A stabilized power supply PSU4200 input: 120/240 V AC output: 24 V DC/20 A

input		
type of the power supply network	1-phase AC	
supply voltage at AC minimum rated value	120 240 V	
supply voltage at AC maximum rated value		
supply voltage at AC	85 264 V	
wide range input	Yes	
buffering time for rated value of the output current in the event of power failure minimum	15 ms	
operating condition of the mains buffering	at Vin = 120/240 V	
line frequency	50/60 Hz	
line frequency	47 63 Hz	
input current		
 at rated input voltage 100 V 	5.4 A	
 at rated input voltage 120 V 	4.5 A	
 at rated input voltage 200 V 	2.6 A	
 at rated input voltage 230 V 	2.4 A	
 at rated input voltage 240 V 	2.3 A	
current limitation of inrush current at 25 °C maximum	20 A	
duration of inrush current limiting at 25 °C		
● typical	40 ms	
l2t value maximum	3 A ² ·s	
fuse protection type	6.3 A	
fuse protection type in the feeder	Recommended miniature circuit breaker: from 10 A characteristic C to from 16 A characteristic C	
output		
voltage curve at output	Controlled, isolated DC voltage	
output voltage at DC rated value	24 V	
output voltage		
 at output 1 at DC rated value 	24 V	
output voltage adjustable	Yes; via potentiometer	
adjustable output voltage	24 28 V	
relative overall tolerance of the voltage	3 %	
relative control precision of the output voltage		
 on slow fluctuation of input voltage 	0.1 %	
 on slow fluctuation of ohm loading 	1 %	
residual ripple		
• maximum	150 mV	
• typical	35 mV	
voltage peak		
• maximum	240 mV	

h mì a l			
• typical	67 mV		
display version for normal operation	Green LED for 24 V OK		
type of signal at output	Signal contact (signal load capacity: 10 mA) for DC OK		
behavior of the output voltage when switching on	No overshoot of Vout (soft start)		
response delay maximum	1.5 s		
voltage increase time of the output voltage			
• typical	33 ms		
• maximum	500 ms		
output current			
rated value	20 A		
rated range	0 20 A; +60 +70 °C: Derating 3%/K		
supplied active power typical	480 W		
bridging of equipment	Yes		
number of parallel-switched equipment resources for increasing the power	2		
efficiency in percent	93 %		
power loss [W]			
at rated output voltage for rated value of the output current typical	37 W		
during no-load operation maximum	3 W		
closed-loop control			
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.2 %		
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	2 %		
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 	1 ms		
 load step 90 to 10% typical 	1 ms		
protection and monitoring			
design of the overvoltage protection	< 32 V		
property of the output short-circuit proof	Yes		
design of short-circuit protection	Shutdown and periodic restart attempts		
• typical	23.1 A		
enduring short circuit current RMS value			
typical	6 A		
safety			
	Yes		
galvanic isolation between input and output galvanic isolation	ES1 output voltage Vout according to EN 62368-1 (Safety extra low output voltage Vout according to EN 60950-1)		
operating resource protection class	Class I		
leakage current			
• maximum	0.7 mA		
• typical	0.5 mA		
protection class IP	IP20		
standard	II 20		
	EN 55022 Class A		
for emitted interference for mains harmonics limitation	EN 55032 Class A		
for mains harmonics limitation	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 (UL 62368-1, CSA C22.2 No. 62368-1-19)		
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (UL 62368-1, CSA C22.2 No. 62368-1-19)		
UKCA marking	Yes		
EAC approval	Yes		
 Regulatory Compliance Mark (RCM) 	Yes		
NEC Class 2	No		
type of certification			
• BIS	No		

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that support the secure operation of plants, systems, machines and networks.	security information	
threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and	security information	In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic,

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)

Classifications

				Version	Classification
			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 Certificate	es a la companya de l				
General Product A	pproval			Environment	
(SP)	Manufacturer Declara- tion	CE EG-Konf.	UK CA	EPD	

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