SIEMENS

Data sheet

6EP3437-8SB00-0AY0



SITOP PSU8200/3AC/24VDC/40A

SITOP PSU8200 24 V/40 A stabilized power supply input: 400-500 V 3 AC output: 24 V DC/40 A

nput	
type of the power supply network	3-phase AC
supply voltage at AC	
 minimum rated value 	400 V
 maximum rated value 	500 V
• initial value	320 V
• full-scale value	575 V
wide range input	Yes
buffering time for rated value of the output current in the event of power failure minimum	10 ms
operating condition of the mains buffering	at Vin = 400 V
line frequency	50/60 Hz
line frequency	45 65 Hz
input current	
 at rated input voltage 400 V 	2.1 A
 at rated input voltage 500 V 	1.7 A
current limitation of inrush current at 25 °C maximum	13 A
I2t value maximum	2.24 A ² ·s
fuse protection type	none
fuse protection type in the feeder	Required: 3-pole connected miniature circuit breaker 10 16 A characteristic C or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489)
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; max. 960 W
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 	0.2 %
residual ripple	
• maximum	100 mV
voltage peak	
• maximum	240 mV
display version for normal operation	Green LED for 24 V OK
type of signal at output	Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"
behavior of the output voltage when switching on	minimal overshooting (< 2 %)
response delay maximum	0.1 s

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voltage increase time of the output voltage	
• maximum	100 ms
output current	
 rated value 	40 A
rated range	0 40 A; +60 +70 °C: Derating 4%/K
supplied active power typical	960 W
short-term overload current	
 at short-circuit during operation typical 	120 A
duration of overloading capability for excess current	
at short-circuit during operation	25 ms
constant overload current	
 on short-circuiting during the start-up typical 	44 A
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	94 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	66 W
during no-load operation maximum	4 W
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	1 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	3 %
setting time	
• maximum	10 ms
protection and monitoring	
design of the overvoltage protection	< 31.8 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Alternatively, constant current characteristic approx. 44 A or latching shutdown
• typical	44 A
overcurrent overload capability	
in normal operation	overload capability 150 % lout rated up to 5 s/min
enduring short circuit current RMS value	
• typical	50 A
display version for overload and short circuit	LED vellow for "overload", LED red for "latching shutdown"
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
operating resource protection class	Class I
leakage current	
• maximum	1 mA
• typical	0.6 mA
protection class IP	IP20
EMC	
standard	EN 55022 Close D
for emitted interference for mains harmonics limitation	EN 55022 Class B
for mains harmonics limitation	EN 61000-3-2
for interference immunity	EN 61000 C 2
standards, specifications, approvals	EN 61000-6-2
	EN 61000-6-2
certificate of suitability	
certificate of suitability • CE marking	Yes
certificate of suitability • CE marking • UL approval	Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
certificate of suitability • CE marking	Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
certificate of suitability • CE marking • UL approval • CSA approval • EAC approval	Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus
certificate of suitability • CE marking • UL approval • CSA approval	Yes Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
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additional information other information Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) security information 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) Classifications

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 Manufacturer Declaration of Continent
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