## **SIEMENS**

## **Data sheet**

6EP3433-7SB00-0AX0



SITOP PSU6200/3AC/24VDC/5A

SITOP PSU6200 24 V/5 A stabilized power supply input: 400 - 500 V AC output: 24 V DC/5 A

type of the power supply network	3-phase AC or DC
supply voltage at AC	
minimum rated value	400 V
maximum rated value	500 V
• initial value	323 V
• full-scale value	576 V
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 event of power failure minimum	20 ms
operating condition of the mains buffering	at Vin = 400 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 400 V</li> </ul>	0.33 A
<ul> <li>at rated input voltage 500 V</li> </ul>	0.28 A
current limitation of inrush current at 25 °C maximum	22 A
fuse protection type	
• in the feeder	three-poled coupled circuit breaker from 4 A characteristic C to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)

24 V

24 V

3 %

0.6 %

0.6 %

30 mV 20 mV

30 mV 20 mV

Controlled, isolated DC voltage

voltage curve at output

output voltage at DC rated value

• at output 1 at DC rated value relative overall tolerance of the voltage

relative control precision of the output voltage

• on slow fluctuation of input voltage

• on slow fluctuation of ohm loading

number of outputs

output voltage

residual ripple

• maximum

typicalvoltage peakmaximum

• typical adjustable output voltage

24 ... 28 V

	V
product function output voltage adjustable	Yes
type of output voltage setting	via potentiometer; max. 120 W (144 W up to 45°C)
display version for normal operation	Green LED for 24 V OK
type of signal at output	Electronic contact (NO contact, contact rating 30 V DC/0.1 A) for DC O.K.
hehavior of the output voltage when switching on	O.K. Overshoot of Vout < 2 %
behavior of the output voltage when switching on	0.5 s
response delay maximum	0.5 \$
voltage increase time of the output voltage	100 mg
• typical	100 ms
output current	F A
• rated value	5 A
• rated range	0 5 A; 6 A up to +45°C; +60 +70 °C: Derating 3%/K
supplied active power typical	120 W
short-term overload current	0.4
on short-circuiting during the start-up typical	6 A
at short-circuit during operation typical	6 A
product feature	All
bridging of equipment	No
Efficiency	
efficiency in percent	91.2 %
power loss [W]	
at rated output voltage for rated value of the output	11 W
current typical	
during no-load operation maximum	2 W
Closed-loop control	
relative control precision of the output voltage at load step	2 %
of resistive load 10/90/10 % typical	
setting time	
<ul><li>load step 10 to 90% typical</li></ul>	1 ms
<ul><li>load step 90 to 10% typical</li></ul>	1 ms
• maximum	2 ms
Protection and monitoring	
design of the overvoltage protection	< 32 V
• typical	6 A
property of the output short-circuit proof	Yes
design of short-circuit protection	Shutdown and periodic restart attempts
	Shutdown and periodic restart attempts overload capability 150 % lout rated up to 5 s/min
design of short-circuit protection overcurrent overload capability in normal operation	
design of short-circuit protection overcurrent overload capability in normal operation Safety	
design of short-circuit protection overcurrent overload capability in normal operation  Safety galvanic isolation between input and output	overload capability 150 % lout rated up to 5 s/min  Yes
design of short-circuit protection overcurrent overload capability in normal operation  Safety  galvanic isolation between input and output galvanic isolation	overload capability 150 % lout rated up to 5 s/min
design of short-circuit protection overcurrent overload capability in normal operation  Safety  galvanic isolation between input and output galvanic isolation operating resource protection class	Overload capability 150 % lout rated up to 5 s/min  Yes  Safety extra low output voltage Vout according to EN 60950-1
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	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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certificate of suitability shipbuilding approval shipbuilding approval Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • DNV GL  • Lloyds Register of Shipping (LRS)	Yes ABS; in process: DNV  Yes No No No
Nippon Kaiji Kyokai (NK)	No
EMC	
standard	
for emitted interference	EN 55022 Class B
<ul> <li>for mains harmonics limitation</li> </ul>	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
<ul> <li>during transport</li> </ul>	-40 +85 °C
<ul><li>during storage</li></ul>	-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 6 mm <sup>2</sup>
<ul><li>at output</li></ul>	+1, +2, -1, -2, -3: PushIn for 0.5 2.5 mm <sup>2</sup>
<ul> <li>for auxiliary contacts</li> </ul>	13, 14 (alarm signal): 1 push-in terminal each for 0.2 1.5 mm <sup>2</sup>
width of the enclosure	35 mm
height of the enclosure	135 mm
depth of the enclosure	125 mm
required spacing	
• top	45 mm
<ul><li>bottom</li></ul>	45 mm
• left	0 mm
• right	0 mm
net weight	0.7 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)

