

## Data sheet

## 6EP3336-7SC00-3AX0



Figure similar

SITOP PSU6200/1AC/24VDC/20A/EX

SITOP PSU6200 Ex 24 V/20 A stabilized power supply input: 120 - 240 V AC  
output: 24 V DC/20 A with diagnostic interface with coated printed circuit boards

Technical Product Detail Page

<https://i.siemens.com/1P6EP3336-7SC00-3AX0>

### input

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
wide range input	Yes
overvoltage overload capability	300 V AC for 30 s
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	50/60 Hz
line frequency	47 ... 63 Hz
input current	
• at rated input voltage 120 V	4.4 A
• at rated input voltage 240 V	2.2 A
current limitation of inrush current at 25 °C maximum	12 A
fuse protection type	10 A
fuse protection type 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)

### output

voltage curve at output	Controlled, isolated DC voltage
number of outputs	1
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. 480 W (576 W up to 45°C)
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.2 %
• on slow fluctuation of ohm loading	0.2 %
residual ripple	
• maximum	80 mV

• typical	50 mV
voltage peak	
• maximum	100 mV
• typical	60 mV
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. or diagnostic interface
behavior of the output voltage when switching on	Overshoot of Vout approx. 3 %
response delay maximum	0.5 s
voltage increase time of the output voltage	
• typical	100 ms
output current	
• rated value	20 A
• rated range	0 ... 20 A; 24 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	30 A
• at short-circuit during operation typical	30 A
parallel switching of outputs	can be set with DIP switch
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for increasing the power	2
<b>efficiency</b>	
efficiency in percent	95.5 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	25 W
• during no-load operation maximum	2.6 W
<b>closed-loop control</b>	
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	0.5 ms
• load step 90 to 10% typical	0.5 ms
• maximum	1 ms
<b>protection and monitoring</b>	
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	30 A
overcurrent overload capability	
• in normal operation	overload capability 150 % Iout rated up to 5 s/min
<b>safety</b>	
galvanic isolation between input and output	Yes
galvanic isolation	ES1 output voltage Vout according to EN 62368-1
operating resource protection class	Class I
leakage current	
• maximum	3.5 mA
protection class IP	IP20
<b>EMC</b>	
standard	
• for emitted interference	EN 55022 Class B
• for mains harmonics limitation	EN 61000-3-2
• for interference immunity	EN 61000-6-2
<b>standards, specifications, approvals</b>	
certificate of suitability	
• CE marking	Yes
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
• UKCA marking	Yes

• EAC approval	Yes
• Regulatory Compliance Mark (RCM)	Yes
• NEC Class 2	No
• SEMI F47	Yes
type of certification	
• BIS	Yes; R-41188271
• CB-certificate	Yes
<b>standards, specifications, approvals hazardous environments</b>	
certificate of suitability	
• IECEx	Yes; IECEx Ex ec nC IIC T3 Gc
• ATEX	Yes; ATEX (EX) II 3G Ex ec nC IIC T4 Gc
• ULhazloc approval	Yes
• UKEX	Yes
• CCC for hazardous zone according to GB standard	Yes
• FM registration	No
<b>standards, specifications, approvals marine classification</b>	
shipbuilding approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• French marine classification society (BV)	No
• Det Norske Veritas (DNV)	Yes
• Lloyds Register of Shipping (LRS)	No
<b>standards, specifications, approvals Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	811.6 kg
• during manufacturing	28 kg
• during operation	782.6 kg
• after end of life	0.7 kg
<b>ambient conditions</b>	
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
<b>connection method</b>	
type of electrical connection	push-in terminals
• at input	L1+, L2/N/-, PE: push-in for 0.5 ... 4 mm <sup>2</sup> single-core/finely stranded
• at output	+1, +2, -1, -2, -3: push-in 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>
<b>mechanical data</b>	
width x height x depth of the enclosure	70 x 135 x 155 mm
installation width x mounting height	70 mm x 225 mm
required spacing	
• top	45 mm
• bottom	45 mm
• left	0 mm
• right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
• DIN-rail mounting	Yes
• S7 rail mounting	No
• wall mounting	No
housing can be lined up	Yes
net weight	1.5 kg
<b>accessories</b>	
electrical accessories	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
<b>further information internet links</b>	

internet link	<ul style="list-style-type: none"> <li>• to website: Industry Mall</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to web page: power supplies</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://siemens.com/sitop">https://siemens.com/sitop</a> <a href="https://siemens.com/cax">https://siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
identification link	Yes; acc. to IEC 61406-1:2022	
<b>additional information</b>		
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	

Classifications			
	Version	Classification	
eClass	14	27-04-07-01	
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	10	EC002540	
ETIM	9	EC002540	
ETIM	8	EC002540	
ETIM	7	EC002540	
IDEA	4	4130	
UNSPSC	15	39-12-10-04	

Approvals Certificates	
General Product Approval	



[Manufacturer Declaration](#)



[China RoHS](#)



General Product Approval

For use in hazardous locations



[BIS CRS](#)



For use in hazardous locations

Maritime application

Environment

[CCC-Ex](#)



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