



SITOP PSU6200/1AC/12VDC/12A

SITOP PSU6200 12 V/12 A stabilized power supply input: 120 - 240 V AC (110 - 240 V DC) output: 12 V DC/12 A with diagnostic interface

Technical Product Detail Page

<https://i.siemens.com/1P6EP3324-7SB00-3AX0>

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	70 ms
operating condition of the mains buffering	at $V_{in} = 240$ V
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
• at rated input voltage 120 V	1.4 A
• at rated input voltage 240 V	0.8 A
current limitation of inrush current at 25 °C maximum	6 A
fuse protection type	5 A
fuse protection type in the feeder	Circuit breaker from 4 A characteristic C/6 A characteristic B to 10 A characteristic C or circuit breaker 3RV2011-1EA10 (setting 4 A) or 3RV2711-1ED10 (UL 489)
output	
voltage curve at output	Controlled, isolated DC voltage
number of outputs	1
output voltage at DC rated value	12 V
output voltage	
• at output 1 at DC rated value	12 V
output voltage adjustable	Yes; via potentiometer
adjustable output voltage	12 ... 15.5 V; max. 144 W (173 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	0.1 %
• on slow fluctuation of ohm loading	0.1 %
residual ripple	
• maximum	30 mV
• typical	20 mV

voltage peak	
• maximum	30 mV
• typical	20 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 $V_{out} < 2\%$
response delay maximum	0.5 s
voltage increase time of the output voltage	
• typical	100 ms
output current	
• rated value	12 A
• rated range	0 ... 12 A; 14.4 A up to +45°C; +60 ... +70 °C: Derating 3%/K
supplied active power typical	144 W
short-term overload current	
• on short-circuiting during the start-up typical	14.4 A
• at short-circuit during operation typical	14.4 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
efficiency	
efficiency in percent	89.3 %
power loss [W]	
• at rated output voltage for rated value of the output current typical	17 W
• during no-load operation maximum	3 W
closed-loop control	
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	2 ms
• load step 90 to 10% typical	2 ms
• maximum	3 ms
protection and monitoring	
design of the overvoltage protection	< 20 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Shutdown and periodic restart attempts
• typical	14.4 A
overcurrent overload capability	
• in normal operation	overload capability 150 % I_{out} rated up to 5 s/min
safety	
galvanic isolation between input and output	Yes
galvanic isolation	ES1 output voltage V_{out} according to EN 62368-1
operating resource protection class	Class I
leakage current	
• maximum	3.5 mA
protection class IP	IP20
EMC	
standard	
• for emitted interference	EN 55022 Class B
• 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
• UKCA marking	Yes
• EAC approval	Yes

<ul style="list-style-type: none"> Regulatory Compliance Mark (RCM) NEC Class 2 SEMI F47 	Yes No Yes
type of certification <ul style="list-style-type: none"> BIS CB-certificate 	Yes; R-41188271 Yes
standards, specifications, approvals hazardous environments	
certificate of suitability <ul style="list-style-type: none"> IECEX ATEX ULhazloc approval FM registration 	No No No No
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) 	Yes No Yes No
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq] <ul style="list-style-type: none"> total during manufacturing during operation after end of life 	549.5 kg 16.8 kg 532.1 kg 0.42 kg
ambient conditions	
ambient temperature <ul style="list-style-type: none"> during operation during transport during storage 	-30 ... +70 °C; with natural convection a monotonically increasing start-up from -25 °C, safe start-up from -40 °C -40 ... +85 °C -40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
connection method	
type of electrical connection <ul style="list-style-type: none"> at input at output for auxiliary contacts 	push-in terminals L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm² single-core/finely stranded +1, +2, -1, -2, -3: push-in for 0.5 ... 2.5 mm² 13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm²
mechanical data	
width × height × depth of the enclosure	45 × 135 × 125 mm
installation width × mounting height	45 mm × 225 mm
required spacing <ul style="list-style-type: none"> top bottom left right 	45 mm 45 mm 0 mm 0 mm
fastening method <ul style="list-style-type: none"> DIN-rail mounting S7 rail mounting wall mounting 	Snaps onto DIN rail EN 60715 35x7.5/15 Yes No No
housing can be lined up	Yes
net weight	0.9 kg
accessories	
electrical accessories	Redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
further information internet links	
internet link <ul style="list-style-type: none"> to website: Industry Mall to web page: selection aid TIA Selection Tool 	https://mall.industry.siemens.com https://www.siemens.com/tstcloud

- to web page: power supplies
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://siemens.com/sitop>
<https://siemens.com/cax>
<https://support.industry.siemens.com>

identification link

Yes; acc. to IEC 61406-1:2022

additional information

other information

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

security information

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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](#)

[Declaration of Conformity](#)



[China RoHS](#)

General Product Approval

Maritime application



[Miscellaneous](#)

[BIS CRS](#)



Environment



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