



SITOP PSU6200/1AC/12VDC/2A

SITOP PSU6200 12 V/2 A stabilized power supply input: 120 - 240 V AC (120 - 240 V DC) output: 12 V DC/2 A

General information	
Technical Product Detail Page	https://l.siemens.com/1P6EP3321-7SB00-0AX0
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	120 ... 240 V
input voltage at DC	110 ... 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	150 ms
operating condition of the mains buffering	at $V_{in} = 240\text{ V}$
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
• at rated input voltage 120 V	0.45 A
• at rated input voltage 240 V	0.25 A
current limitation of inrush current at 25 °C maximum	32 A
fuse protection type	3.15 A
fuse protection type in the feeder	Circuit breaker from 4 A characteristic C/6 A characteristic B to 16 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	10.5 ... 12.9 V; max. 24 W
relative overall tolerance of the voltage	3 %
relative control precision of the output voltage	
• on slow fluctuation of input voltage	0.3 %
• on slow fluctuation of ohm loading	0.3 %
residual ripple	

<ul style="list-style-type: none"> • maximum 	30 mV
<ul style="list-style-type: none"> • typical 	20 mV
voltage peak	
<ul style="list-style-type: none"> • maximum 	20 mV
<ul style="list-style-type: none"> • typical 	10 mV
display version for normal operation	Green LED for 24 V OK
behavior of the output voltage when switching on	Overshoot of Vout approx. 3 %
response delay maximum	1 s
voltage increase time of the output voltage	
<ul style="list-style-type: none"> • typical 	50 ms
output current	
<ul style="list-style-type: none"> • rated value 	2 A
<ul style="list-style-type: none"> • rated range 	0 ... 2 A
supplied active power typical	24 W
short-term overload current	
<ul style="list-style-type: none"> • on short-circuiting during the start-up typical 	2 A
<ul style="list-style-type: none"> • at short-circuit during operation typical 	2 A
bridging of equipment	No
efficiency	
efficiency in percent	83.3 %
power loss [W]	
<ul style="list-style-type: none"> • at rated output voltage for rated value of the output current typical 	5 W
<ul style="list-style-type: none"> • during no-load operation maximum 	0.8 W
closed-loop control	
relative control precision of the output voltage at load step of resistive load 10/90/10 % typical	4 %
setting time	
<ul style="list-style-type: none"> • load step 10 to 90% typical 	2 ms
<ul style="list-style-type: none"> • load step 90 to 10% typical 	2 ms
<ul style="list-style-type: none"> • 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
<ul style="list-style-type: none"> • typical 	2.8 A
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Output voltage: SELV, ES1 (IEC 62368-1), DVC As (IEC 61204-7)
operating resource protection class	Class I
leakage current	
<ul style="list-style-type: none"> • maximum 	3.5 mA
protection class IP	IP20
EMC	
standard	
<ul style="list-style-type: none"> • for emitted interference 	EN 55022 Class B
<ul style="list-style-type: none"> • for mains harmonics limitation 	EN 61000-3-2
<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • UL approval 	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
<ul style="list-style-type: none"> • UKCA marking 	Yes
<ul style="list-style-type: none"> • EAC approval 	Yes
<ul style="list-style-type: none"> • Regulatory Compliance Mark (RCM) 	Yes
<ul style="list-style-type: none"> • NEC Class 2 	Yes; according to UL1310, File E151273
<ul style="list-style-type: none"> • SEMI F47 	Yes
type of certification	
<ul style="list-style-type: none"> • BIS 	Yes; R-41183539

<ul style="list-style-type: none"> • CB-certificate 	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 	140.9 kg 5.2 kg 135.5 kg 0.15 kg
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during transport • during storage 	-25 ... +70 °C; with natural convection -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	push-in terminals
<ul style="list-style-type: none"> • at input • at output • for auxiliary contacts 	L1/+, L2/N/-, PE: push-in for 0.5 ... 2.5 mm ² single-core/finely stranded +1, -1, -2: push-in for 0.5 ... 2.5 mm ² -
mechanical data	
width × height × depth of the enclosure	25 × 100 × 88 mm
installation width × mounting height	25 mm × 200 mm
required spacing	
<ul style="list-style-type: none"> • top • bottom • left • right 	50 mm 50 mm 0 mm 0 mm
fastening method	Snaps onto DIN rail EN 60715 35x7.5/15
<ul style="list-style-type: none"> • DIN-rail mounting • S7 rail mounting • wall mounting 	Yes No No
housing can be lined up	Yes
net weight	0.2 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 • to web page: power supplies • to website: CAX-Download-Manager • to website: Industry Online Support 	https://mall.industry.siemens.com https://www.siemens.com/tstcloud https://siemens.com/sitop https://siemens.com/cax https://support.industry.siemens.com
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

Environmental Product Declaration

- global warming potential [CO2 eq] / during manufacturing 5.2 kg
- global warming potential [CO2 eq] / during operation 135.5 kg
- global warming potential [CO2 eq] / after end of life 0.15 kg
- global warming potential [CO2 eq] / total 140.9 kg

Environment

General Product Approval



[Manufacturer Declaration](#)

General Product Approval

Maritime application

[Declaration of Conformity](#)

[China RoHS](#)



[BIS CRS](#)



Maritime application



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