SIEMENS

Data sheet 6EP3447-0SH00-3AV0

SITOP PSP6200/3AC/48VDC/20A/IP65

SITOP PSP6200 48 V/20 A stabilized power supply input: 400 - 500 V AC output: 48 V DC/20 A with diagnostic interface degree of protection IP65



General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP3447-0SH00-3AV0
product brand name	SITOP
product type designation	PSU6200
product designation	SITOP PSP6200
type of current supply	48 V/20 A
input	
type of the power supply network	3-phase AC
phase number	3
voltage curve at input	AC
supply voltage at AC	
● minimum rated value	400 V
● maximum rated value	500 V
● initial value	323 V
● full-scale value	576 V
supply voltage at AC	Derating 323 ... 360 V
supply voltage	
● at 50 Hz	400 V
● at 60 Hz	500 V
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
wide range input	Yes
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
input current	
● at rated input voltage 115 V	20 A
● at rated input voltage 400 V	1.5 A
● at rated input voltage 500 V	1.2 A
current limitation of inrush current at 25 °C maximum	5 A
I2t value maximum	0.5 $A^2 \cdot s$
fuse protection type in the feeder	3-phase coupled miniature circuit breaker (IEC 898; for UL: UL489-listed/Category DIVQ) characteristic C, or circuit breaker (e.g. Siemens 3RV2... / 3RV27... / 3RV28...), alternatively slow-blow fuses (for UL: UL248-listed): e.g. 3RV2011-1EA10, 3RV2711-1ED10 (UL489)
output	
voltage curve at output	Controlled, isolated DC voltage
product function output voltage controlled	Yes
product function output voltage stabilized	Yes
number of outputs	1

Subject to change without notice
© Copyright Siemens

output voltage at DC rated value	48 V
output voltage	
● at output 1 at DC rated value	48 V
output voltage	
● at output 1 at DC	48 ... 56 V
output voltage adjustable	Yes; via potentiometer
adjustable output voltage	48 ... 56 V; Derating > 48 V: 8 %/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	100 mV
display version for normal operation	1 LED for operating state device; 4 LEDs for utilization
type of signal at output	Relay contact (changeover contact, contact current capacity DC 30 V/0.1 A) for "Operating state OK"
behavior of the output voltage when switching on	No overshoot of Vout (soft start)
response delay maximum	0.5 s
voltage increase time of the output voltage	
● maximum	500 ms
output current	
● rated value	20 A
● at output 1 rated value	20 A
● rated range	0 ... 20 A; +50 ... +60 °C: Derating 3%/K
supplied active power typical	960 W
bridging of equipment	Yes
efficiency	
efficiency in percent	96.3 %
power loss [W]	
● at rated output voltage for rated value of the output current typical	35 W
● during no-load operation maximum	6 W
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	0.1 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	1 %
setting time	
● maximum	5 ms
protection and monitoring	
design of the overvoltage protection	< 60 V
property of the output short-circuit proof	Yes
design of short-circuit protection	electronic overload shutdown; automatic restart attempts
overcurrent overload capability	
● in normal operation	150% Iout rated to 5 s/min
display version for overload and short circuit	LED for device operating status
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	
● maximum	3.5 mA
protection class IP	IP65
EMC	
standard	
● for emitted interference	EN 61000-6-3
● for mains harmonics limitation	EN 61000-3-2

Subject to change without notice
© Copyright Siemens

● for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes; cULus-Listed, File E143289
● UKCA marking	Yes
● EAC approval	No
● Regulatory Compliance Mark (RCM)	Yes
● CCC approval	No
type of certification	
● CB-certificate	Yes
MTBF at 40 °C	457 963 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
● IECEx	No
● ATEX	No
● ULhazloc approval	No
● FM registration	No
standards, specifications, approvals marine classification	
shipbuilding approval	No
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	No
● French marine classification society (BV)	No
● Det Norske Veritas (DNV)	No
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	997.9 kg
● during manufacturing	105.5 kg
● during operation	889 kg
● after end of life	1.56 kg
ambient conditions	
ambient temperature	
● during operation	-30 ... +60 °C; With natural convection
● during transport	-40 ... +85 °C
● during storage	-40 ... +85 °C
connection method	
type of electrical connection	cable length 1 m with wire end ferrules
● at input	Cable 4 x 2.5 mm²
● at output	2 cables 16 mm²
● for signaling contact	M12 connector 4-pin
mechanical data	
width × height × depth of the enclosure	276 × 172 × 115 mm
installation width × mounting height	386 mm × 292 mm
required spacing	
● top	60 mm
● bottom	60 mm
● left	10 mm
● right	100 mm
fastening method	Wall mounting
● DIN-rail mounting	No
● S7 rail mounting	No
● wall mounting	Yes
housing can be lined up	No
net weight	5.3 kg
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com

Subject to change without notice
© Copyright Siemens

● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: power supplies	https://siemens.com/sitop
● to website: CAx-Download-Manager	https://siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
identification link	Yes

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

	Version	Classification
eClass	16	27-04-07-01
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

Approvals Certificates

Environmental Product Declaration

● global warming potential [CO2 eq] / during manufacturing	105.5 kg
● global warming potential [CO2 eq] / during operation	889 kg
● global warming potential [CO2 eq] / after end of life	1.56 kg
● global warming potential [CO2 eq] / total	997.9 kg

Environment | **General Product Approval**

Manufacturer Declaration | China RoHS

General Product Approval

© Copyright Siemens

last modified: 8/29/2026

Subject to change without notice
© Copyright Siemens