SIEMENS

Data sheet 6EP3336-7SB00-3AX0

SITOP PSU6200/1AC/24VDC/20A

SITOP PSU6200 24 V/20 A stabilized power supply input: 120 - 240 V AC (110 - 240 V DC) output: 24 V DC/20 A with diagnostic interface

Technical Product Detail Page	https://i.siemens.com/1P6EP3336-7SB00-3AX0
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 AC	<kein Wert>
supply voltage	<kein Wert>/<kein Wert>
supply voltage 1 at AC	<kein Wert>
supply voltage 2 at AC	<kein Wert>
input voltage 1 at AC	<kein Wert>
input voltage 2 at AC	<kein Wert>
supply voltage at DC	110 ... 240 V
supply voltage 1 at DC	<kein Wert>
supply voltage 2 at DC	<kein Wert>
input voltage at DC	85 ... 275 V; <kein Wert>
input voltage 1 at DC	<kein Wert>
input voltage 2 at DC	<kein Wert>
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; <kein Wert>
line frequency	50/60 Hz
line frequency	47 ... 63 Hz
input current	
● at rated input voltage 24 V	<kein Wert>
● at rated input voltage 48 V	<kein Wert>
● at rated input voltage 100 V	<kein Wert>
● at rated input voltage 110 V	<kein Wert>
● at rated input voltage 115 V	<kein Wert>
● at rated input voltage 120 V	4.4 A
● at rated input voltage 200 V	<kein Wert>
● at rated input voltage 220 V	<kein Wert>

● at rated input voltage 230 V	<kein Wert>
● at rated input voltage 240 V	2.2 A
● at rated input voltage 400 V	<kein Wert>
● at rated input voltage 420 V	<kein Wert>
● at rated input voltage 500 V	<kein Wert>
input current	
● at rated input voltage 120 V AC	<kein Wert>; <kein Wert>
● at rated input voltage 120 V DC	<kein Wert>
● at rated input voltage 240 V AC	<kein Wert>
● at rated input voltage 240 V DC	<kein Wert>
input current at DC	
● at rated input voltage 500 V	<kein Wert>
● at rated input voltage 550 V	<kein Wert>
● at rated input voltage 600 V	<kein Wert>
current limitation of inrush current at 25 °C maximum	12 A
duration of inrush current limiting at 25 °C	
● typical	<kein Wert>
● maximum	<kein Wert>
I2t value maximum	<kein Wert>
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
formula for output voltage	<kein Wert>
consumed input power maximum	<kein Wert>
consumed energy content maximum	<kein Wert>
cooling time maximum	<kein Wert>
output voltage	
● at output 1 at DC rated value	24 V
● at output 2 at DC rated value	<kein Wert>
● at output 3 at DC rated value	<kein Wert>
● at output 4 at DC rated value	<kein Wert>
● at output 5 at DC rated value	<kein Wert>
● at output 6 at DC rated value	<kein Wert>
● at output 7 at DC rated value	<kein Wert>
● at output 8 at DC rated value	<kein Wert>
● at AC rated value	<kein Wert>
● at AC	<kein Wert>
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 %
voltage compensation per sense line	<kein Wert>
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; <kein Wert>

type of outputs connection	<kein Wert>
voltage increase time of the output voltage	
● typical	100 ms
● maximum	<kein Wert>
output current	
● rated value	20 A
● minimum rated value	<kein Wert>
● maximum rated value	<kein Wert>
● per output	<kein Wert>
● at output 1 rated value	<kein Wert>
● at output 2 rated value	<kein Wert>
● at output 3 rated value	<kein Wert>
● at output 4 rated value	<kein Wert>
● at output 5 rated value	<kein Wert>
● at output 6 rated value	<kein Wert>
● at output 7 rated value	<kein Wert>
● at output 8 rated value	<kein Wert>
● 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; <kein Wert>
duration of overloading capability for excess current	
● on short-circuiting during the start-up	<kein Wert>
● at short-circuit during operation	<kein Wert>
constant overload current	
● on short-circuiting during the start-up typical	<kein Wert>
● at short-circuit during operation typical	<kein Wert>
parallel switching of outputs	<kein Wert>; 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	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
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	<kein Wert>
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	<kein Wert>
setting time	
● load step 50 to 100% typical	<kein Wert>
● load step 100 to 50% typical	<kein Wert>
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
protection and monitoring	
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
response value current limitation	<kein Wert>
● typical	30 A
design of the current limitation	<kein Wert>
adjustable current response value current of the current-	<kein Wert>

dependent overload release	
type of response value setting	<kein Wert>
switching characteristic	
● of the excess current	<kein Wert>
● of the current limitation	<kein Wert>
overcurrent overload capability	
● when switching on	<kein Wert>
● in normal operation	overload capability 150 % Iout rated up to 5 s/min
enduring short circuit current RMS value	
● maximum	<kein Wert>
● typical	<kein Wert>
measuring point for output current	<kein Wert>; <kein Wert>
display version for overload and short circuit	<kein Wert>
design of the reset device/resetting mechanism	<kein Wert>
remote reset function	<kein Wert>
interfaces	
product function communication function	<kein Wert>
design of the interface	<kein Wert>
● design of the interface PROFINET protocol	<kein Wert>
protocol is supported	
● EtherNet/IP protocol	<kein Wert>
● OPC UA	<kein Wert>
● IO-Link protocol	<kein Wert>
IO-Link transfer rate	<kein Wert>
number of IO-Link ports	<kein Wert>
point-to-point cycle time between master and IO-Link device minimum	<kein Wert>
data volume of the address range of the outputs with cyclical transfer for all IO-Link ports maximum	<kein Wert>
data volume of the address range of the inputs with cyclical transfer for all IO-Link ports maximum	<kein Wert>
protocol between master and IO-Link device Version 1.1	<kein Wert>
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
● typical	<kein Wert>
protection class IP	IP20
degree of protection NEMA rating	<kein Wert>
Safety Integrity Level (SIL) according to IEC 61508	<kein Wert>
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
● CSA approval	<kein Wert>; <kein Wert>
● UKCA marking	Yes
● EAC approval	Yes
● Regulatory Compliance Mark (RCM)	Yes
● CCC approval	<kein Wert>
● NEC Class 2	No; <kein Wert>
● SEMI F47	Yes
type of certification	
● BIS	Yes; R-41188271

● CB-certificate	Yes
MTBF at 40 °C	<kein Wert>
MTBF at 25 °C	<kein Wert>; <kein Wert>
standards, specifications, approvals hazardous environments	
certificate of suitability	
● IECEx	No; <kein Wert>
● ATEX	No; <kein Wert>
● ULhazloc approval	No; <kein Wert>
● cCSAus, Class 1, Division 2	<kein Wert>; <kein Wert>
● UKEX	<kein Wert>
● CCC for hazardous zone according to GB standard	<kein Wert>; <kein Wert>
● FM registration	No; <kein Wert>
standards, specifications, approvals marine classification	
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; <kein Wert>
● Lloyds Register of Shipping (LRS)	No
● Nippon Kaiji Kyokai (NK)	<kein Wert>
standards, specifications, approvals other	
certificate of suitability	
● railway application in accordance with EN 50121-3-2	<kein Wert>; <kein Wert>
● railway application in accordance with EN 50124-1	<kein Wert>; <kein Wert>
● railway application in accordance with EN 50125-1	<kein Wert>; <kein Wert>
● railway application in accordance with EN 50155	<kein Wert>; <kein Wert>
● railway application in accordance with EN 61373	<kein Wert>; <kein Wert>
● fire protection in accordance with EN 45545-2	<kein Wert>; <kein Wert>
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	614.4 kg
● during manufacturing	33.9 kg
● during operation	579.6 kg
● after end of life	0.56 kg
Siemens Eco Profile (SEP)	Siemens EcoTech
ambient 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
● in horizontal mounting position during operation	<kein Wert>; <kein Wert>
● in vertical mounting position during operation	<kein Wert>
● during transport	-40 ... +85 °C
● during storage	-40 ... +85 °C
installation altitude at height above sea level maximum	<kein Wert>
ambient condition relating to ambient temperature - air pressure - installation altitude	<kein Wert>
relative humidity with condensation according to IEC 60068-2-38 maximum	<kein Wert>; <kein Wert>
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation; <kein Wert>
chemical resistance to commercially available cooling lubricants	<kein Wert>; <kein Wert>
resistance to biologically active substances conformity according to EN 60721-3-3	<kein Wert>; <kein Wert>
resistance to chemically active substances conformity according to EN 60721-3-3	<kein Wert>; <kein Wert>
resistance to mechanically active substances conformity according to EN 60721-3-3	<kein Wert>; <kein Wert>
resistance to biologically active substances conformity according to EN 60721-3-6	<kein Wert>; <kein Wert>
resistance to chemically active substances conformity according to EN 60721-3-6	<kein Wert>; <kein Wert>

resistance to mechanically active substances conformity according to EN 60721-3-6	<kein Wert>; <kein Wert>
coating for equipped printed circuit board according to EN 61086	<kein Wert>; <kein Wert>
type of coating protection against pollution according to EN 60664-3	<kein Wert>; <kein Wert>
type of coating for electronic devices in railway applications according to EN 50155	<kein Wert>; <kein Wert>
type of test of the coating according to MIL-I-46058C	<kein Wert>; <kein Wert>
product conformity of the coating Qualification and Performance of Electrical Insulating Compound for Printed Board Assemblies according to IPC-CC-830A	<kein Wert>; <kein Wert>
connection method	
type of electrical connection	push-in terminals
● at input	L1/+, L2/N/-, PE: push-in for 0.5 ... 4 mm² single-core/finely stranded
● at output	+1, +2, -1, -2, -3: push-in for 0.5 ... 6 mm²
● for auxiliary contacts	13, 14 (alarm signal): 1 push-in terminal each for 0.2 ... 1.5 mm²
● for signaling contact	<kein Wert>
removable terminal at input	<kein Wert>
removable terminal at output	<kein Wert>
design of the interface for communication	<kein Wert>
suitability for interaction modular system	<kein Wert>
type of connection to system components	<kein Wert>
mechanical data	
width × height × depth of the enclosure	70 × 135 × 155 mm
installation width × mounting height	70 mm × 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
accessories	
electrical accessories	Buffer module, redundancy module
mechanical accessories	Identification labels SIMATIC ET 200SP 6ES7193-6LF30-0AW0
further information internet links	
internet link	
● to website: Industry Mall	https://mall.industry.siemens.com
● 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; 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	
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	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	33.9 kg
• global warming potential [CO2 eq] / during operation	579.6 kg
• global warming potential [CO2 eq] / after end of life	0.56 kg
• global warming potential [CO2 eq] / total	614.4 kg

Environment

General Product Approval

Manufacturer Declaration

Declaration of Conformity

General Product Approval

China RoHS

General Product Approval

Maritime application

BIS CRS

last modified: 3/26/2026