SIEMENS

Data sheet

6EP3437-8UB00-0AY0



SITOP PSU3800/3AC/24VDC/30-40A

SITOP PSU3800 24 V/30-40 A stabilized power supply input: 400-500 V 3 AC output: 24 V DC/30-40 A suitable for battery charging

3-phase AC
400 V
500 V
320 V
575 V
Yes
10 ms
at Vin = 400 V
50/60 Hz
45 65 Hz
2.1 A
1.7 A
13 A
2.24 A ² ·s
Required: 3-pole connected miniature circuit breaker 10 16 A characteristic 0 or circuit breaker 3RV2011-1DA10 (setting 3 A) or 3RV2711-1DD10 (UL 489)
Controlled, isolated DC voltage
24 V
24 V
Yes; via potentiometer
24 28 V; max. 960 W
3 %
0.1 %
0.2 %
100 mV
240 mV
Green LED for 24 V OK
Green LED for 24 V OK Relay contact (NO contact, rating 60 V DC/ 0.3 A) for "24 V OK"

● maximum	100 ms
output current	100 113
rated value	40 A
rated range	0 40 A; +60 +70 °C: Derating 4%/K
supplied active power typical	960 W
constant overload current	
on short-circuiting during the start-up typical	48 A
bridging of equipment	Yes; switchable characteristic
number of parallel-switched equipment resources for increasing the power	2
efficiency	
efficiency in percent	94 %
power loss [W]	
 at rated output voltage for rated value of the output current typical 	66 W
 during no-load operation maximum 	4 W
closed-loop control	
relative control precision of the output voltage with rapid fluctuation of the input voltage by +/- 15% typical	1 %
relative control precision of the output voltage load step of resistive load 50/100/50 % typical	3 %
setting time	
• maximum	10 ms
protection and monitoring	
design of the overvoltage protection	< 31.8 V
property of the output short-circuit proof	Yes
design of short-circuit protection	Constant current characteristic approx. 44 A
• typical	44 A
enduring short circuit current RMS value	
• typical	50 A
display version for overload and short circuit	LED yellow for "overload", LED red for "latching shutdown"
safety	
galvanic isolation between input and output	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1 and EN 50178
operating resource protection class	Class I
leakage current	
• maximum	1 mA
• typical	0.6 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; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
CSA approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
UKCA marking	Yes
EAC approval	Yes
 Regulatory Compliance Mark (RCM) 	Yes
NEC Class 2	No
• SEMI F47	Yes
type of certification	
CB-certificate	Yes
MTBF at 40 °C	517 015 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
certificate of suitability • IECEx	No

• ATEX	No
ULhazloc approval	No
cCSAus, Class 1, Division 2	No
FM registration	No
standards, specifications, approvals marine classification	INU
shipbuilding approval	Yes
Marine classification association	
American Bureau of Shipping Europe Ltd. (ABS)	No
French marine classification society (BV)	No
Det Norske Veritas (DNV)	Yes
Lloyds Register of Shipping (LRS)	No
standards, specifications, approvals Environmental Product De	claration
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	2 118.7 kg
 during manufacturing 	52 kg
 during operation 	2 065.2 kg
after end of life	0.74 kg
ambient conditions	
ambient temperature	
during operation	-25 +70; With natural convection
 during transport 	-40 +85
during storage	-40 +85
environmental category according to IEC 60721	Climate class 3K3, 5 95% no condensation
connection method	
type of electrical connection	screw terminal
● at input	L1, L2, L3, PE: 1 screw terminal each for 0.5 4 mm ² single-core/finely stranded
at output	+: 2 screw terminals each for 0.5 16 mm²; -: 3 screw terminals each for 0.5 16 mm²
 for auxiliary contacts 	13, 14 (alarm signal), 15, 16 (Remote): 1 screw terminal each for 0.05 \dots 2.5 $\rm mm^2$
mechanical data	
width × height × depth of the enclosure	135 × 145 × 150 mm
installation width × mounting height	135 mm × 225 mm
required spacing	
• top	40 mm
• bottom	40 mm
• left	0 mm
• right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x15
standard rail mounting	Yes
S7 rail mounting	No
wall mounting	No
housing can be lined up	Yes
net weight accessories	3.3 kg
electrical accessories	Buffer module
mechanical accessories	Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20
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: selection and the detection root to web page: power supplies 	https://siemens.com/sitop
 to web page: power supplies to website: CAx-Download-Manager 	https://siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com
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.
	mail support the secure operation of plants, systems, machines and networks

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	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	9	EC002540
ETIM	8	EC002540
ETIM	7	EC002540
IDEA	4	4130
UNSPSC	15	39-12-10-04

General Product Approval

СВ	(SP) CEM	<u>Manufacturer Declara-</u> tion	Declaration of Con- formity	UK CA	CE EG-Konf.
General Product Appr	oval	Marine / Shipping	Environment		
			EPD		
last modified:		11/25	/2024 🖸		