



SITOP UPS8600/120W

SITOP UPS8600 UPS module for PSU8600 nominal voltage: DC 48 V buffer power: 960 W charging power: 120 W

General information	
Technical Product Detail Page	https://i.siemens.com/1P6EP4197-8AB00-0XY0
memory	
type of energy storage	External battery module
design of the mains power cut bridging-connection	Buffer time limit 1 ... 88 min. can be set with DIP switches or until the connected battery modules are discharged
output	
output voltage	48 V
• in normal operation at DC rated value	
property of the output short-circuit proof	Yes
charging current	1.25 A, 2.5 A
type of signal at output	relay contacts (NO contact, contact rating DC 60 V/0.3 A) for "sufficient buffer readiness", "buffer mode" and "battery circuit fault"
efficiency	
efficiency in percent	99 %
• in case of operation on rechargeable battery typical	
power loss [W]	10 W
• in case of operation on rechargeable battery typical	
supplied active power typical	960 W
protection and monitoring	
product function	Yes
• reverse polarity protection against energy storage unit polarity reversal	
display version	Three-color LED for operating state of module, three-color LED for status of battery circuit
• for normal operation	LED green for "buffer standby exist"
• in buffering mode	LED yellow for "buffered mode"
interfaces	
product function communication function	Yes
design of the interface	Ethernet/PROFINET via power supply unit PSU8600
safety	
operating resource protection class	Class III
protection class IP	IP20
standard	EN 55022 Class B
• for emitted interference	
• for interference immunity	EN 61000-6-2
standards, specifications, approvals	
certificate of suitability	Yes
• CE marking	
• UL approval	Yes; cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259

• EAC approval	Yes
type of certification CB-certificate	Yes
MTBF at 40 °C	405 763 h
standards, specifications, approvals hazardous environments	
certificate of suitability	
• ATEX	No
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• Det Norske Veritas (DNV)	Yes
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	292.1 kg
• during manufacturing	36.9 kg
• during operation	254.3 kg
• after end of life	0.68 kg
ambient conditions	
ambient temperature	
• during operation	-25 ... +70 °C; with natural convection
• during transport	-40 ... +85 °C
• during storage	-40 ... +85 °C
environmental category according to IEC 60721	Climate class 3K3, 5 ... 95% no condensation
connection method	
type of electrical connection	Plug-in terminals with screwed connection
• for rechargeable battery module	+, -: plug-in terminals each with 1 screw terminal for 0.2 ... 10 mm²
• for data cable	COM1, COM2: 2 plug-in terminals each with a screw terminal for 0.2 ... 2.5 mm²
• for auxiliary contacts	X1, X2, X3, X3 (control contacts): plug-in terminal with one screw-type terminal each for 0.14 ... 1.5 mm²
• for signaling contact	13, 14, 23, 24, 33, 34 (signaling contacts): plug-in terminal with one screw-type terminal each for 0.14 ... 1.5 mm²
suitability for interaction modular system	Yes
type of connection to system components	Via integrated connector
number of expansion modules maximum	2
mechanical data	
width × height × depth of the enclosure	60 × 125 × 150 mm
installation width × mounting height	60 mm × 225 mm
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
fastening method	Snaps onto DIN rail EN 60715 35x15
• DIN-rail mounting	Yes
• S7 rail mounting	No
• wall mounting	No
housing can be lined up	Yes
net weight	0.9 kg
accessories	
electrical accessories	Battery module BAT8600
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: power supplies	https://siemens.com/sitop
• to website: CAX-Download-Manager	https://siemens.com/cax

additional information

other information

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

security information

security information

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Classifications

	Version	Classification
eClass	16	27-04-07-05
eClass	14	27-04-07-05
eClass	12	27-04-07-05
eClass	9.1	27-04-07-05
eClass	9	27-04-07-05
eClass	8	27-04-06-90
eClass	7.1	27-04-06-90
eClass	6	27-04-06-90
ETIM	10	EC000382
ETIM	9	EC000382
ETIM	8	EC000382
ETIM	7	EC000382
IDEA	4	4149
UNSPSC	15	39-12-10-11

Approvals Certificates

General Product Approval



[Manufacturer Declaration](#)

[Declaration of Conformity](#)



[China RoHS](#)

General Product Approval

Maritime application

Environment



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