



SITOP UPS8600/120W

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

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	
• in normal operation at DC rated value	48 V
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	
• in case of operation on rechargeable battery typical	99 %
power loss [W]	
• in case of operation on rechargeable battery typical	10 W
supplied active power typical	960 W

protection and monitoring

product function	
• reverse polarity protection against energy storage unit polarity reversal	Yes
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	
• for emitted interference	EN 55022 Class B
• 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
• EAC approval	Yes

type of certification CB-certificate	Yes
MTBF at 40 °C	405 763 h
standards, specifications, approvals hazardous environments	
certificate of suitability <ul style="list-style-type: none">• ATEX	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)• Det Norske Veritas (DNV)	Yes Yes
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	292.2 kg 36.9 kg 254.3 kg 0.68 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 <ul style="list-style-type: none">• for rechargeable battery module• for data cable• for auxiliary contacts• for signaling contact	Plug-in terminals with screwed connection +, -: plug-in terminals each with 1 screw terminal for 0.2 ... 10 mm² COM1, COM2: 2 plug-in terminals each with a screw terminal for 0.2 ... 2.5 mm² X1, X2, X3, X3 (control contacts): plug-in terminal with one screw-type terminal each for 0.14 ... 1.5 mm² 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 <ul style="list-style-type: none">• top• bottom• left• right	50 mm 50 mm 0 mm 0 mm
fastening method <ul style="list-style-type: none">• DIN-rail mounting• S7 rail mounting• wall mounting	Snaps onto DIN rail EN 60715 35x15 Yes No 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 <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	27-04-07-05
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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