SIEMENS

Data sheet 6EP4197-8AB00-0XY0

SITOP UPS8600/120W

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

Mains buffering	
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
charging current	1.25 A, 2.5 A
adjustable charging current maximum note	Charging capacity 60 W/120 W, can be set with DIP switches
Output	
output voltage	
● in normal operation at DC rated value	48 V
property of the output short-circuit proof	Yes
supplied active power typical	960 W
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
Protection and monitoring	
product function	
● reverse polarity protection against energy storage unit polarity reversal	Yes
Signaling	
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"
Interface	
design of the interface	Ethernet/PROFINET via power supply unit PSU8600
Safety	
operating resource protection class	Class III
protection class IP	IP20
Approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes
● as approval for USA	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
● cCSAus, Class 1, Division 2	No
● ATEX	No
type of certification CB-certificate	Yes
certificate of suitability	

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● EAC approval	Yes
● shipbuilding approval	Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	
● American Bureau of Shipping Europe Ltd. (ABS)	Yes
● DNV GL	Yes
EMC	
standard	
● for emitted interference	EN 55022 Class B
● for interference immunity	EN 61000-6-2
environmental 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
Mechanics	
type of electrical connection	Plug-in terminals with screwed connection
● for rechargeable battery module	+, -: Plug-in terminal with 1 screwed connection each for 0.2 ... 10 mm²
type of connection to system components	Via integrated connector
width of the enclosure	60 mm
height of the enclosure	125 mm
depth of the enclosure	150 mm
required spacing	
● top	50 mm
● bottom	50 mm
● left	0 mm
● right	0 mm
net weight	0.9 kg
product feature of the enclosure housing can be lined up	Yes
fastening method	Snaps onto DIN rail EN 60715 35x15
electrical accessories	Battery module BAT8600
mechanical accessories	Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20
MTBF at 40 °C	405 763 h
reference code according to IEC 81346-2	RB
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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