SIEMENS

Data sheet 6EP4197-8AB00-0XY0

SITOP UPS8600
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 accumulator operation typical	99 %
power loss [W]	
• in case of accumulator operation 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
certificate of suitability	
• CE marking	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)
• relating to ATEX	IECEx Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213, ANSI/ISA-12.12.01) Class I, Div. 2, Group ABCD, T4
type of certification CB-certificate	Yes
shipbuilding approval	DNV GL and ABS in process
protection class IP	IP20
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 acc. to IEC 60721	Climate class 3K3, 5 … 95% no condensation
Mechanics	
type of electrical connection	Plug-in terminals with screwed connection
• for 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 for side-by-side mounting	Yes
mounting type	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 acc. to DIN EN 81346-2	T
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)