



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	48 V
<ul style="list-style-type: none"> <li>in normal operation at DC rated value</li> </ul>	Yes
property of the output short-circuit proof	960 W
supplied active power typical	
Efficiency	
efficiency in percent	99 %
<ul style="list-style-type: none"> <li>in case of operation on rechargeable battery typical</li> </ul>	
power loss [W]	10 W
<ul style="list-style-type: none"> <li>in case of operation on rechargeable battery typical</li> </ul>	
Protection and monitoring	
product function	Yes
<ul style="list-style-type: none"> <li>reverse polarity protection against energy storage unit polarity reversal</li> </ul>	
Signaling	
display version	Three-color LED for operating state of module, three-color LED for status of battery circuit
<ul style="list-style-type: none"> <li>for normal operation</li> <li>in buffering mode</li> </ul>	LED green for "buffer standby exist" 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	Yes
<ul style="list-style-type: none"> <li>CE marking</li> <li>UL approval</li> <li>as approval for USA</li> </ul>	Yes cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
<ul style="list-style-type: none"> <li>CSA approval</li> <li>cCSAus, Class 1, Division 2</li> <li>ATEX</li> </ul>	Yes No No
type of certification CB-certificate	Yes
certificate of suitability	

<ul style="list-style-type: none"> <li>• EAC approval</li> <li>• shipbuilding approval</li> </ul>	Yes
shipbuilding approval	Yes
Marine classification association	ABS, DNV GL
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• DNV GL</li> </ul>	Yes
	Yes
<b>EMC</b>	
standard	
<ul style="list-style-type: none"> <li>• for emitted interference</li> <li>• for interference immunity</li> </ul>	EN 55022 Class B EN 61000-6-2
<b>environmental conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	-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
<b>Mechanics</b>	
type of electrical connection	Plug-in terminals with screwed connection
<ul style="list-style-type: none"> <li>• for rechargeable battery module</li> </ul>	+, -: Plug-in terminal with 1 screwed connection each for 0.2 ... 10 mm <sup>2</sup>
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	
<ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	50 mm 50 mm 0 mm 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)

