

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



Mains buffering	
Charging current	1.25 A, 2.5 A
Output	
Output voltage	48 V
<ul style="list-style-type: none"> <li>in normal operation at DC Rated value</li> </ul>	
Property of the output Short-circuit proof	Yes
Supplied active power typical	960 W
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	LED green for "buffer standby exist"
<ul style="list-style-type: none"> <li>for normal operation</li> <li>in buffering mode</li> </ul>	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 <ul style="list-style-type: none"> <li>• CE marking</li> <li>• as approval for USA</li> <li>• relating to ATEX</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) IECEX Ex nA nC IIC T4 Gc; ATEX (EX) II 3G Ex nA nC IIC T4 Gc
Type of certification CB-certificate	Yes
Shipbuilding approval	ABS, DNV GL
Protection class IP	IP20

EMC	
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

Operating data	
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 acc. to IEC 60721	Climate class 3K3; in addition 95% maximum relative humidity, but without condensation

Mechanics	
Type of electrical connection <ul style="list-style-type: none"> <li>• for battery module</li> </ul>	Plug-in terminals with screwed connection +, -: 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 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
Reference code acc. to DIN EN 81346-2	T

