

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	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	Three-color LED for operating state of module, three-color LED for status of battery circuit

- for normal operation
- in buffering mode

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

Certificate of suitability

- CE marking
- as approval for USA
- relating to ATEX

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

DNV GL and ABS in process

Protection class IP

IP20

## EMC

Standard

- for emitted interference
- for interference immunity

EN 55022 Class B

EN 61000-6-2

## Operating data

Ambient temperature

- during operation
- during transport
- during storage

-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

- for battery module

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

- top
- bottom
- left
- right

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
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)