



SITOP BAT1600/BATT.MODUL/24V/7.5AH

SITOP BAT1600 24 V DC 7.5 Ah LiFePO4 lithium battery for SITOP UPS1600 *** not for air freight ***

Charging current charging voltage	
end-of-charge voltage at DC	
<ul style="list-style-type: none"> at -10 °C recommended at 0 °C recommended at 10 °C recommended at 20 °C recommended at 30 °C recommended at 40 °C recommended at 50 °C recommended 	28.8 V 28.8 V 28.8 V 28.8 V 28.8 V 28.8 V 28.8 V
Output	
output current rated value	40 A
charging current maximum	3 A
output voltage at DC rated value	24 V
Safety	
display version for normal operation	Three-color: green = Buffer ready; yellow = Buffer endangered; red = Buffer not possible
Safety	
operating resource protection class	Class III
protection class IP	IP20
Approvals	
certificate of suitability	
<ul style="list-style-type: none"> CE marking UL approval as approval for USA CSA approval cCSAus, Class 1, Division 2 ATEX 	Yes Yes UL-Listed (UL 621010, CSA C22.2 No. 107.1) No No No
certificate of suitability	
<ul style="list-style-type: none"> C-Tick shipbuilding approval 	Yes Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) DNV GL 	Yes Yes
environmental conditions	
Operating data note	For storage, mounting and operation of batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed.
ambient temperature	
<ul style="list-style-type: none"> during operation during transport 	-10 ... +50 °C -30 ... +70 °C

- during storage
- relative temporary capacity loss at 20 °C in a month typical

-20 ... +35 °C
1 %

Service life

service life of energy storage

- typical
- at 20 °C typical
- at 30 °C typical
- at 40 °C typical
- at 50 °C typical
- at 60 °C typical

capacity falls to 80 % of original capacity (according to EUROBAT)

11 y
11 y
8 y
6 y
2 y

ambient temperature during storage

Along with the storage and operating temperature, other factors such as the duration of the storage period and the charge status during storage have a decisive influence on the possible useful life. Batteries should therefore be stored as briefly as possible, always fully charged, and within the temperature range 0 to +20 °C.

Mechanics

type of electrical connection

- for power supply unit
- for control circuit and status message

screw-type terminals
1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT
1 screw terminal each for 0.2 ... 2.5 mm²

product component included

2x Maxi Fuse 50 A/32 V

width of the enclosure

238 mm

height of the enclosure

156 mm

depth of the enclosure

129 mm

installation width

238 mm

mounting height

256 mm

required spacing

- top
- bottom
- left
- right

50 mm
50 mm
0 mm
0 mm

fastening method

- wall mounting
- standard rail mounting
- S7 rail mounting

Yes
Yes
Yes

fastening method

snaps onto DIN rail EN 60715 35x15 or wall mounting with accessories
wall mounting set 6EP4990-0MK00-0XU0

net weight

4 kg

number of cells

3

battery capacity

7.5 A·h

other information

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

