

SITOP BAT1600/BATT.MODUL/24V/2.5AH

SITOP BAT1600 24 V DC 2.5 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"> <li>at -10 °C recommended</li> <li>at 0 °C recommended</li> <li>at 10 °C recommended</li> <li>at 20 °C recommended</li> <li>at 30 °C recommended</li> <li>at 40 °C recommended</li> <li>at 50 °C recommended</li> </ul>	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	10 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"> <li>CE marking</li> <li>UL approval</li> </ul>	Yes Yes; cULus-Listed (UL 61010-1, UL61010-2-201 , CSA C22.2 No. 61010-1, CSA C22.2 NO 61010-2-201), File E143289; cCSAus (CSA 62368-1, UL62368-1)
<ul style="list-style-type: none"> <li>as approval for USA</li> <li>CSA approval</li> <li>cCSAus, Class 1, Division 2</li> <li>ATEX</li> </ul>	UL-Listed (UL 621010, CSA C22.2 No. 107.1) Yes No No
type of certification CB-certificate	Yes
certificate of suitability	
<ul style="list-style-type: none"> <li>C-Tick</li> <li>shipbuilding approval</li> </ul>	Yes Yes
Marine classification association	
<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>DNV GL</li> </ul>	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"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	<p>-10 ... +50 °C</p> <p>-30 ... +70 °C</p> <p>-20 ... +35 °C</p>
relative temporary capacity loss at 20 °C in a month typical	1 %
<b>Service life</b>	
service life of energy storage <ul style="list-style-type: none"> <li>• typical</li> <li>• at 20 °C typical</li> <li>• at 30 °C typical</li> <li>• at 40 °C typical</li> <li>• at 50 °C typical</li> <li>• at 60 °C typical</li> </ul>	capacity falls to 80 % of original capacity (according to EUROBAT) <p>11 a</p> <p>11 a</p> <p>8 a</p> <p>6 a</p> <p>2 a</p>
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.
<b>Mechanics</b>	
type of electrical connection <ul style="list-style-type: none"> <li>• for power supply unit</li> <li>• for control circuit and status message</li> </ul>	screw-type terminals <p>1 screw terminal each for 0.5 ... 10 mm<sup>2</sup> for + BAT and - BAT</p> <p>1 screw terminal each for 0.2 ... 2.5 mm<sup>2</sup></p>
product component included	2x Maxi Fuse 25 A/32 V
width of the enclosure	89 mm
height of the enclosure	156 mm
depth of the enclosure	129 mm
installation width	89 mm
mounting height	256 mm
required spacing <ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	<p>50 mm</p> <p>50 mm</p> <p>0 mm</p> <p>0 mm</p>
fastening method <ul style="list-style-type: none"> <li>• wall mounting</li> <li>• standard rail mounting</li> <li>• S7 rail mounting</li> </ul>	<p>Yes</p> <p>Yes</p> <p>Yes</p>
fastening method	snaps onto DIN rail EN 60715 35x15 or wall mounting with accessories wall mounting set 6EP4990-0MK00-0XU0
net weight	2 kg
number of cells	1
battery capacity	2.5 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

