

SITOP BAT1600/EX/BATT.MODUL/24V/3.2AH/EX

SITOP BAT1600 EX 24 V DC 3.2 Ah Pb battery module with maintenance-free closed lead-acid battery for SITOP UPS1600



Charging current charging voltage	
end-of-charge voltage at DC	
<ul style="list-style-type: none"> <li>at -10 °C recommended</li> </ul>	28 V
<ul style="list-style-type: none"> <li>at 0 °C recommended</li> </ul>	28 V
<ul style="list-style-type: none"> <li>at 10 °C recommended</li> </ul>	27.8 V
<ul style="list-style-type: none"> <li>at 20 °C recommended</li> </ul>	27.3 V
<ul style="list-style-type: none"> <li>at 30 °C recommended</li> </ul>	26.8 V
<ul style="list-style-type: none"> <li>at 40 °C recommended</li> </ul>	26.6 V
<ul style="list-style-type: none"> <li>at 50 °C recommended</li> </ul>	26.3 V
Output	
output current rated value	20 A
charging current maximum	0.8 A
output voltage at DC rated value	24 V
Safety	
design of the overload protection	Valve control
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> </ul>	Yes
<ul style="list-style-type: none"> <li>UL approval</li> </ul>	No
<ul style="list-style-type: none"> <li>CSA approval</li> </ul>	No
<ul style="list-style-type: none"> <li>cCSAus, Class 1, Division 2</li> </ul>	No
<ul style="list-style-type: none"> <li>ATEX</li> </ul>	Yes
certificate of suitability	
<ul style="list-style-type: none"> <li>IECEX</li> </ul>	Yes
certificate of suitability	
<ul style="list-style-type: none"> <li>shipbuilding approval</li> </ul>	No
shipbuilding approval	available soon
Marine classification association	
<ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No
<ul style="list-style-type: none"> <li>DNV GL</li> </ul>	No
environmental conditions	
Operating data note	For storage, mounting and operation of lead-acid batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed. You must ensure that the battery site is sufficiently ventilated. Possible sources of ignition must be at least 50

	cm away.
ambient temperature	
• during operation	-15 ... +50 °C
• during transport	-20 ... +50 °C
• during storage	-20 ... +40 °C
relative temporary capacity loss at 20 °C in a month typical	3 %
<b>Service life</b>	
service life of energy storage	capacity falls to 80 % of original capacity (according to EUROBAT)
• typical	4 y
• at 20 °C typical	2 y
• at 30 °C typical	1 y
• at 40 °C typical	0.5 y
• at 50 °C typical	
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	screw-type terminals
• for power supply unit	1 screw terminal each for 0.5 ... 10 mm <sup>2</sup> for + BAT and - BAT
• for control circuit and status message	1 screw terminal each for 0.2 ... 2.5 mm <sup>2</sup>
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	169 mm
installation width	89 mm
mounting height	256 mm
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
fastening method	
• standard rail mounting	Yes
• S7 rail mounting	Yes
fastening method	snaps onto DIN rail EN 60715 35x15 or wall mounting with accessories wall mounting set 6EP4990-0MK00-0XU0
net weight	3.8 kg
number of cells	2
battery capacity	3.2 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

