



SITOP UPS1100/BAT. MODULE/24V/5AH/LIFEPO

SITOP UPS1100 Battery module with maintenance-free sealed Lithium Iron phosphate batteries for SITOP DC UPS module DC 24 V 5 Ah

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	20 A
charging current maximum	2.1 A
output voltage at DC rated value	24 V
Safety	
design of short-circuit protection	Battery fuse 25 A/32 V (FKS blade-type fuse + holder); overcurrent switch-off at 60 A > 30 ms/min and 24 A > 5 s/min
design of the overload protection	Valve control
display version for normal operation	LED green: Battery OK; LED flashing green: Error or warning; OFF: No communication
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> <li>as approval for USA</li> <li>CSA approval</li> <li>cCSAus, Class 1, Division 2</li> <li>ATEX</li> </ul>	Yes Yes cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627 No No No
certificate of suitability	
<ul style="list-style-type: none"> <li>EAC approval</li> <li>C-Tick</li> <li>shipbuilding approval</li> </ul>	Yes Yes Yes
shipbuilding approval	ABS, DNV GL
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>-20 ... +50 °C</p> <p>-40 ... +60 °C</p> <p>-20 ... +35 °C</p>
relative temporary capacity loss at 20 °C in a month typical	3 %
<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> </ul>	<p>capacity falls to 80 % of original capacity (according to EUROBAT)</p> <p>15 y</p> <p>10 y</p> <p>9 y</p> <p>2 y</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	screw-type terminals
<ul style="list-style-type: none"> <li>for power supply unit</li> <li>for control circuit and status message</li> </ul>	<p>1 screw terminal each for 0.5 ... 16 mm<sup>2</sup> for + BAT and - BAT</p> <p>1 screw terminal each for 0.14 ... 4 mm<sup>2</sup></p>
product component included	Accessories pack with solid-state circuitry fuse 25 A
width of the enclosure	189 mm
height of the enclosure	186 mm
depth of the enclosure	113 mm
installation width	189 mm
mounting height	201 mm
required spacing	
<ul style="list-style-type: none"> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> </ul>	<p>15 mm</p> <p>0 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>No</p>
fastening method	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
net weight	3.4 kg
number of cells	16
battery capacity	5 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

