



SITOP BATTERY MODULE/24V/3.2AH

SITOP battery module 24 V/3.2 Ah with maintenance-free sealed lead batteries for SITOP DC UPS module 6 A and 15 A \*Ex approval no longer available\*

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>	29 V 28.4 V 27.8 V 27.3 V 26.8 V 26.6 V 26.3 V
Output	
charging current maximum	0.8 A
output voltage at DC rated value	24 V
Safety	
design of short-circuit protection	Battery fuse 15 A/32 V (solid-state circuitry blade-type fuse + support)
design of the overload protection	Valve control
Safety	
operating resource protection class	Class III
protection class IP	IP00
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>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
certificate of suitability	
<ul style="list-style-type: none"> <li>EAC approval</li> <li>shipbuilding approval</li> </ul>	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 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	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-15 ... +50 °C

<ul style="list-style-type: none"> <li>• during transport</li> <li>• during storage</li> </ul>	-20 ... +50 °C
relative temporary capacity loss at 20 °C in a month typical	-20 ... +50 °C
	3 %
<b>Service life</b>	
service life of energy storage	capacity falls to 80 % of original capacity (according to EUROBAT)
<ul style="list-style-type: none"> <li>• typical</li> </ul>	4 y
<ul style="list-style-type: none"> <li>• at 20 °C typical</li> </ul>	2 y
<ul style="list-style-type: none"> <li>• at 30 °C typical</li> </ul>	1 y
<ul style="list-style-type: none"> <li>• at 40 °C typical</li> </ul>	0.5 y
<ul style="list-style-type: none"> <li>• at 50 °C typical</li> </ul>	
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	spring-loaded terminals
<ul style="list-style-type: none"> <li>• for power supply unit</li> </ul>	1 screw terminal each for 0.08 ... 2.5 mm <sup>2</sup> for + BAT and - BAT
product component included	Accessories pack with solid-state circuitry fuse 15 A
width of the enclosure	190 mm
height of the enclosure	151 mm
depth of the enclosure	82 mm
installation width	210 mm
mounting height	171 mm
fastening method	
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• standard rail mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• S7 rail mounting</li> </ul>	No
fastening method	snaps onto DIN rail EN 60715 35x7.5/15 or keyhole mounting for hooking in to M4 screws
net weight	3.2 kg
number of cells	12
battery capacity	3.2 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

