

SITOP BATTERY MODULE/24V/2.5AH



SITOP pure lead battery module  
24 V/2.5 Ah with maintenance  
free Sealed lead batteries for  
SITOP DC-USV Module 6A and  
15A

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> <li>at 60 °C recommended</li> </ul>	29 V 28.6 V 28.3 V 27.9 V 27.5 V 27.2 V 26.8 V 26.4 V
Output	
Permissible charging current, max.	5 A
Rated voltage Vout DC	24 V
Safety	
Short-circuit protection	Battery fuse 15 A/32 V (solid-state circuitry blade-type fuse + support)
design of the overload protection	Valve control
Safety	
Protection class	Class III
Degree of protection (EN 60529)	IP00
Approvals	
CE mark	Yes
UL/cUL (CSA) approval	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
Marine approval	ABS, DNV GL
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> <li>during transport</li> <li>during storage</li> </ul>	-40 ... +60 °C -40 ... +60 °C -40 ... +60 °C
relative temporary capacity loss at 20 °C in a month	3 %

typical	
<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 note</li> </ul>	10 y
<ul style="list-style-type: none"> <li>• at 20 °C typical</li> </ul>	7 y
<ul style="list-style-type: none"> <li>• at 30 °C typical</li> </ul>	3 y
<ul style="list-style-type: none"> <li>• at 40 °C typical</li> </ul>	1.5 y
<ul style="list-style-type: none"> <li>• at 50 °C typical</li> </ul>	1 y
<ul style="list-style-type: none"> <li>• at 60 °C typical</li> </ul>	
ambient temperature during storage note	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>	
Connection technology	spring-loaded terminals
Connection for power supply unit	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	265 mm
height of the enclosure	151 mm
depth of the enclosure	91 mm
installation width	285 mm
Installation 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
Installation	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
Weight, approx.	3.8 kg
number of cells	12
Battery	2.5 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

