

SITOP BATTERY MODULE/24V/12AH



SITOP rechargeable battery module 24 V/12 Ah with maintenance free Sealed lead batteries for SITOP DC-USV Module 6 A, 15 A and 40 A

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	
Permissible charging current, max.	3 A
Rated voltage Vout DC	24 V
Safety	
Short-circuit protection	Battery fuse 20 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>	-15 ... +50 °C -20 ... +50 °C -20 ... +50 °C
relative temporary capacity loss at 20 °C in a month typical	3 %

Service life	
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> <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>	4 y 2 y 1 y 0.5 y
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.
Mechanics	
Connection technology	spring-loaded terminals
Connection for power supply unit	1 screw terminal each for 0.08 ... 4 mm <sup>2</sup> for + BAT and - BAT
product component included	Accessories pack with solid-state circuitry fuse 20 A and 30 A
width of the enclosure	253 mm
height of the enclosure	168 mm
depth of the enclosure	121 mm
installation width	273 mm
Installation height	188 mm
fastening method	
<ul style="list-style-type: none"> <li>• wall mounting</li> <li>• standard rail mounting</li> <li>• S7 rail mounting</li> </ul>	Yes No No
Installation	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
Weight, approx.	9 kg
number of cells	12
Battery	12 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

