

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

• at -10 °C recommended	29 V
• at 0 °C recommended	28.4 V
• at 10 °C recommended	27.8 V
• at 20 °C recommended	27.3 V
• at 30 °C recommended	26.8 V
• at 40 °C recommended	26.6 V
• at 50 °C recommended	26.3 V

### Output

Permissible charging current, max.	3 A
Rated voltage $V_{out}$ 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
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Degree of protection (EN 60529)	IP00
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### Approvals

CE mark	Yes
UL/cUL (CSA) approval	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
Marine approval	DNV GL, ABS

### 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 <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>	capacity falls to 80 % of original capacity (according to EUROBAT) 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 belonging to	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
Weight, approx.	9 kg

Installation	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
number of cells	12
Battery	12 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)