

SITOP BATTERY MODULE 24 V/7 AH
 SITOP Akkumodul 24 V/7 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.	1.75 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
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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"> • during operation • during transport • during storage 	<p>-15 ... +50 °C</p> <p>-20 ... +50 °C</p> <p>-20 ... +50 °C</p>
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"> • typical Note • at 20 °C typical • at 30 °C typical • at 40 °C typical • at 50 °C typical 	<p>capacity falls to 80 % of original capacity (according to EUROBAT)</p> <p>4 y</p> <p>2 y</p> <p>1 y</p> <p>0.5 y</p>
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 ² for + BAT and - BAT
Product component belonging to	Accessories pack with solid-state circuitry fuse 20 A and 30 A
Width of the enclosure	186 mm
Height of the enclosure	168 mm
Depth of the enclosure	121 mm
Installation width	206 mm
Installation height	188 mm
Weight, approx.	6 kg

Installation	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
Number of cells	12
Battery	7 A·h
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)