

SITOP BATTERY MODULE 24 V/12 AH  
 SITOP battery module 24 V/12 Ah with service-free sealed lead-acid batteries for SITOP DC UPS 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 20 °C recommended</li> <li>• at 30 °C recommended</li> <li>• at 40 °C recommended</li> <li>• at 50 °C recommended</li> </ul>	27.8 V 27.3 V 26.8 V 26.6 V 26.3 V
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
CE mark	Yes
UL/cUL (CSA) approval	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627

Marine approval	GL, ABS
Degree of protection (EN 60529)	IP00

### Operating data note

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>	<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"> <li>• typical remark</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>	<p>capacity falls to 50 % of original capacity</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 <sup>2</sup> for + BATT and - BATT
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
Equipment marking acc. to DIN EN 81346-2	G
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

