



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 for 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>	<p>27.8 V</p> <p>27.3 V</p> <p>26.8 V</p> <p>26.6 V</p> <p>26.3 V</p>
Permissible charging current, max.	3 A

### 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
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> </ul>	-15 ... +50 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-20 ... +50 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-20 ... +50 °C
Relative temporary capacity loss at 20 °C in a month typical	3 %

### Service life

Service life of lead-acid battery	capacity falls to 50 % of original capacity
<ul style="list-style-type: none"> <li>• typical Note</li> </ul>	4 y
<ul style="list-style-type: none"> <li>• at 20 °C typical</li> </ul>	2 y
<ul style="list-style-type: none"> <li>• at 30 °C typical</li> </ul>	1 y
<ul style="list-style-type: none"> <li>• at 40 °C typical</li> </ul>	0.5 y
<ul style="list-style-type: none"> <li>• at 50 °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.

### 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
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)