



SITOP UPS1100/BATTERY MODULE/24V/3.2AH

SITOP UPS1100 Battery module  
with warning not closed Lead  
batteries for SITOP DC-USV  
Modules; DC 24 V 3,2 Ah

### Charging current charging voltage

end-of-charge voltage at DC	
• at -10 °C recommended	28 V
• at 0 °C recommended	28 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

Rated current value I <sub>out</sub> rated	20 A
Permissible charging current, max.	0.8 A
Rated voltage V <sub>out</sub> DC	24 V

### Safety

Short-circuit protection	Battery fuse 25 A/32 V (solid-state circuitry blade-type fuse + support)
design of the overload protection	Valve control
Status display	LED green: Battery OK; LED flashing green: Error or warning; OFF: No communication

### Safety

Protection class	Class III
Degree of protection (EN 60529)	IP20

### Approvals

CE mark	Yes
UL/cUL (CSA) approval	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
Explosion protection	IECEX Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213-M1987, ANSI/ISA-12.12.01-2013) Class I, Div. 2, Group ABCD, T4
Approvals	Yes
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 ... +40 °C
relative temporary capacity loss at 20 °C in a month typical	3 %
<b>Service life</b>	
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.
<b>Mechanics</b>	
Connection technology	screw-type terminals
Connection for power supply unit	1 screw terminal each for 0.2 ... 6 mm <sup>2</sup> for + BAT and - BAT
type of electrical connection for control circuit and status message	1 screw terminal each for 0.14 ... 4 mm <sup>2</sup>
product component included	Accessories pack with solid-state circuitry fuse 25 A
width of the enclosure	190 mm
height of the enclosure	170 mm
depth of the enclosure	78.7 mm
installation width	190 mm
Installation height	184 mm
required spacing <ul style="list-style-type: none"> <li>• top</li> <li>• bottom</li> <li>• left</li> <li>• right</li> </ul>	15 mm 0 mm 0 mm 0 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 Yes No
Installation	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
Weight, approx.	3.8 kg
number of cells	12
Battery	3.2 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

