



SITOP UPS1100/BATTERY MODULE/24V/7AH

SITOP UPS1100 Battery module with warning not closed Lead batteries for SITOP DC-USV Modules; DC 24 V 7 Ah

Charging current charging voltage	
end-of-charge voltage at DC	
<ul style="list-style-type: none"> at -10 °C recommended at 0 °C recommended at 10 °C recommended at 20 °C recommended at 30 °C recommended at 40 °C recommended at 50 °C recommended 	<p>28 V</p> <p>28 V</p> <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>
Output	
Rated current value Iout rated	40 A
Permissible charging current, max.	1.75 A
Rated voltage Vout DC	24 V
Safety	
Short-circuit protection	Battery fuse 2x 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"> 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	capacity falls to 80 % of original capacity (according to EUROBAT)
<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>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	screw-type terminals
Connection for power supply unit	1 screw terminal each for 0.5 ... 16 mm ² for + BAT and - BAT
type of electrical connection for control circuit and status message	1 screw terminal each for 0.14 ... 4 mm ²
product component included	Accessories pack with solid-state circuitry fuse 25 A
width of the enclosure	186 mm
height of the enclosure	186 mm
depth of the enclosure	110 mm
installation width	186 mm
Installation height	201 mm
required spacing	
<ul style="list-style-type: none"> top bottom left right 	<p>15 mm</p> <p>0 mm</p> <p>0 mm</p> <p>0 mm</p>
fastening method	
<ul style="list-style-type: none"> wall mounting standard rail mounting S7 rail mounting 	<p>Yes</p> <p>No</p> <p>No</p>
Installation	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
Weight, approx.	6.1 kg
number of cells	12
Battery	7 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

