



SITOP UPS1100/BATTERY MODULE/24V/1.2AH

SITOP UPS1100 Battery module with warning not closed Lead batteries for SITOP DC-USV Modules; DC 24 V 1.2 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 	28 V 28 V 27.8 V 27.3 V 26.8 V 26.6 V 26.3 V
Output	
Rated current value I _{out} rated	10 A
Permissible charging current, max.	0.3 A
Rated voltage V _{out} DC	24 V
Safety	
Short-circuit protection	Battery fuse 15 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 	-15 ... +50 °C
	-20 ... +50 °C
	-20 ... +50 °C
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 	4 y
<ul style="list-style-type: none"> • at 20 °C typical 	2 y
<ul style="list-style-type: none"> • at 30 °C typical 	1 y
<ul style="list-style-type: none"> • at 40 °C typical 	0.5 y
<ul style="list-style-type: none"> • at 50 °C typical 	
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 0.2 ... 6 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 15 A
width of the enclosure	89 mm
height of the enclosure	130 mm
depth of the enclosure	107 mm
installation width	89 mm
Installation height	145 mm
required spacing	
<ul style="list-style-type: none"> • top 	15 mm
<ul style="list-style-type: none"> • bottom 	0 mm
<ul style="list-style-type: none"> • left 	0 mm
<ul style="list-style-type: none"> • right 	0 mm
fastening method	
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • standard rail mounting 	Yes
<ul style="list-style-type: none"> • S7 rail mounting 	No
Installation	snaps onto DIN rail EN 60715 35x7.5/15 or keyhole mounting for hooking in to M4 screws
Weight, approx.	1.9 kg
number of cells	12
Battery	1.2 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

