



SITOP UPS1100/BAT. MODULE/24V/5AH/LIFEPO

SITOP UPS1100 Battery module with warning not closed Lithium iron phosphate batteries for SITOP DC-USV modules; DC 24 V 5 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>28.8 V</p> <p>28.8 V</p> <p>28.8 V</p> <p>28.8 V</p> <p>28.8 V</p> <p>28.8 V</p> <p>28.8 V</p>

Output

Rated current value I _{out} rated	20 A
Permissible charging current, max.	2.1 A
Rated voltage V _{out} DC	24 V

Safety

Short-circuit protection	Battery fuse 25 A/32 V (FKS blade-type fuse + holder); overcurrent switch-off at 60 A > 30 ms/min and 24 A > 5 s/min
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	-
Approvals	Yes
Marine approval	ABS, DNV GL

environmental conditions

Operating data note	For storage, mounting and operation of batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed.
ambient temperature <ul style="list-style-type: none"> during operation 	-20 ... +50 °C

<ul style="list-style-type: none"> • during transport • during storage 	-40 ... +60 °C
relative temporary capacity loss at 20 °C in a month typical	-40 ... +60 °C
	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 	15 y 10 y 9 y 2 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.
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	189 mm
height of the enclosure	186 mm
depth of the enclosure	113 mm
installation width	189 mm
Installation height	201 mm
required spacing	
<ul style="list-style-type: none"> • top • bottom • left • right 	15 mm 0 mm 0 mm 0 mm
fastening method	
<ul style="list-style-type: none"> • wall mounting • standard rail mounting • S7 rail mounting 	Yes Yes No
Installation	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
Weight, approx.	3.4 kg
number of cells	16
Battery	5 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

