

SITOP UPS1100 BAT.MODUL 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

• at -10 °C recommended	28.8 V
• at 0 °C recommended	28.8 V
• at 10 °C recommended	28.8 V
• at 20 °C recommended	28.8 V
• at 30 °C recommended	28.8 V
• at 40 °C recommended	28.8 V
• at 50 °C recommended	28.8 V

Output

Rated current value Iout rated	20 A
Permissible charging current, max.	2.1 A
Rated voltage Vout 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	DNV GL, ABS
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	
• during operation	-20 ... +50 °C
• during transport	-40 ... +60 °C
• during storage	-40 ... +60 °C
Relative temporary capacity loss at 20 °C in a month typical	3 %
Service life	
Service life of energy storage	
• typical Note	capacity falls to 80 % of original capacity (according to EUROBAT)
• at 20 °C typical	15 y
• at 30 °C typical	10 y
• at 40 °C typical	9 y
• at 50 °C typical	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 belonging to	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
Weight, approx.	3.4 kg
Installation	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
Number of cells	16
Battery	5 A·h
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)