



SITOP BAT1600/BATT.MODUL/24V/7.5AH

SITOP BAT1600 24 V DC 7.5 Ah LiFePO4 lithium battery for SITOP UPS1600 *** not for air freight ***

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

output current rated value	40 A
charging current maximum	3 A
output voltage at DC rated value	24 V

Safety

display version for normal operation	Three-color: green = Buffer ready; yellow = Buffer endangered; red = Buffer not possible
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Safety

operating resource protection class	Class III
protection class IP	IP20

Approvals

certificate of suitability	
• CE marking	Yes
• UL approval	Yes
• as approval for USA	UL-Listed (UL 621010, CSA C22.2 No. 107.1)
• CSA approval	No
• cCSAus, Class 1, Division 2	No
• ATEX	No
certificate of suitability	
• C-Tick	Yes
• shipbuilding approval	Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	Yes
• DNV GL	Yes

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	-10 ... +50 °C

<ul style="list-style-type: none"> • during transport 	-30 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-20 ... +35 °C
relative temporary capacity loss at 20 °C in a month typical	1 %
Service life	
service life of energy storage	capacity falls to 80 % of original capacity (according to EUROBAT)
<ul style="list-style-type: none"> • typical 	11 y
<ul style="list-style-type: none"> • at 20 °C typical 	11 y
<ul style="list-style-type: none"> • at 30 °C typical 	8 y
<ul style="list-style-type: none"> • at 40 °C typical 	6 y
<ul style="list-style-type: none"> • at 50 °C typical 	2 y
<ul style="list-style-type: none"> • at 60 °C typical 	
ambient temperature during storage	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	
type of electrical connection	screw-type terminals
<ul style="list-style-type: none"> • for power supply unit 	1 screw terminal each for 0.5 ... 16 mm ² for + BAT and - BAT
<ul style="list-style-type: none"> • for control circuit and status message 	1 screw terminal each for 0.2 ... 2.5 mm ²
product component included	2x Maxi Fuse 50 A/32 V
width of the enclosure	238 mm
height of the enclosure	156 mm
depth of the enclosure	129 mm
installation width	238 mm
mounting height	256 mm
required spacing	
<ul style="list-style-type: none"> • top 	50 mm
<ul style="list-style-type: none"> • bottom 	50 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 	Yes
fastening method	snaps onto DIN rail EN 60715 35x15 or wall mounting with accessories wall mounting set 6EP4990-0MK00-0XU0
net weight	4 kg
number of cells	3
battery capacity	7.5 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

