



SITOP BAT1600/BATT.MODUL/24V/38AH

SITOP BAT1600 24 V DC 38 Ah Pb battery module with maintenance-fee closed lead-acid battery for SITOP UPS1600

Charging current charging voltage	
end-of-charge voltage at DC	
<ul style="list-style-type: none"> at -10 °C recommended 	28 V
<ul style="list-style-type: none"> at 0 °C recommended 	28 V
<ul style="list-style-type: none"> at 10 °C recommended 	27.8 V
<ul style="list-style-type: none"> at 20 °C recommended 	27.3 V
<ul style="list-style-type: none"> at 30 °C recommended 	26.8 V
<ul style="list-style-type: none"> at 40 °C recommended 	26.6 V
<ul style="list-style-type: none"> at 50 °C recommended 	26.3 V
Output	
output current rated value	40 A
charging current maximum	9 A
output voltage at DC rated value	24 V
Safety	
design of the overload protection	Valve control
display version for normal operation	Three-color: green = Buffer ready; yellow = Buffer endangered; red = Buffer not possible
Safety	
operating resource protection class	Class III
protection class IP	IP20
Approvals	
certificate of suitability	
<ul style="list-style-type: none"> CE marking 	Yes
<ul style="list-style-type: none"> UL approval 	Yes
<ul style="list-style-type: none"> as approval for USA 	UL-Listed (UL 621010, CSA C22.2 No. 107.1)
<ul style="list-style-type: none"> CSA approval 	Yes
<ul style="list-style-type: none"> cCSAus, Class 1, Division 2 	No
<ul style="list-style-type: none"> ATEX 	No
certificate of suitability	
<ul style="list-style-type: none"> C-Tick 	Yes
<ul style="list-style-type: none"> shipbuilding approval 	Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	
<ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) 	Yes
<ul style="list-style-type: none"> 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	

<ul style="list-style-type: none"> • during operation • during transport • during storage 	<p>-15 ... +50 °C</p> <p>-30 ... +70 °C</p> <p>-20 ... +40 °C</p>
relative temporary capacity loss at 20 °C in a month typical	3 %
Service life	
service life of energy storage <ul style="list-style-type: none"> • typical • at 20 °C typical • at 30 °C typical • at 40 °C typical • at 50 °C typical 	<p>capacity falls to 80 % of original capacity (according to EUROBAT)</p> <p>10 y</p> <p>5 y</p> <p>2.5 y</p> <p>1.25 y</p>
ambient temperature during storage	In addition to the storage temperature, additional factors, such as storage duration and charging status during storage, have a major impact on the potential service life. This means batteries should preferably be stored fully charged for short periods of time in a dry, cool and frost-proof (temperature range 0 to +20 °C) location.
Mechanics	
type of electrical connection <ul style="list-style-type: none"> • for power supply unit • for control circuit and status message 	<p>Plug-in terminals with screwed connection</p> <p>1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT</p> <p>1 screw terminal each for 0.2 ... 2.5 mm²</p>
product component included	2x Maxi Fuse 50 A/32 V
width of the enclosure	394 mm
height of the enclosure	212 mm
depth of the enclosure	165 mm
installation width	330 mm
mounting height	262 mm
required spacing <ul style="list-style-type: none"> • top • bottom • left • right 	<p>50 mm</p> <p>50 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>No</p> <p>No</p> <p>No</p>
fastening method	Floor mounting
net weight	28.4 kg
number of cells	2
battery capacity	38 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

