



SITOP UPS1100/BATTERY MODULE/24V/1.2AH

SITOP UPS1100 battery module with maintenance-free sealed lead batteries for SITOP DC UPS module 24 V DC 1.2 Ah *Ex approval no longer available*

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	10 A
charging current maximum	0.3 A
output voltage at DC rated value	24 V
Safety	
design of short-circuit protection	Battery fuse 15 A/32 V (solid-state circuitry blade-type fuse + support)
design of the overload protection	Valve control
display version for normal operation	LED green: Battery OK; LED flashing green: Error or warning; OFF: No communication
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 	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
<ul style="list-style-type: none"> CSA approval 	No
<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"> EAC approval 	Yes
<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 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 	<p>-15 ... +50 °C</p> <p>-20 ... +50 °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>4 y</p> <p>2 y</p> <p>1 y</p> <p>0.5 y</p>
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 • for control circuit and status message 	<p>1 screw terminal each for 0.2 ... 6 mm² for + BAT and - BAT</p> <p>1 screw terminal each for 0.14 ... 4 mm²</p>
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
mounting height	145 mm
required spacing	
<ul style="list-style-type: none"> • top • bottom • left • right 	<p>15 mm</p> <p>0 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>Yes</p> <p>Yes</p> <p>No</p>
fastening method	snaps onto DIN rail EN 60715 35x7.5/15 or keyhole mounting for hooking in to M4 screws
net weight	1.9 kg
number of cells	12
battery capacity	1.2 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

