

SITOP UPS1100/BATTERY MODULE/24V/2.5AH

SITOP UPS1100 battery module with maintenance- free sealed Lead batteries for SITOP DC UPS module 24 V DC 2.5 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
<ul style="list-style-type: none"> at 60 °C recommended 	26 V
Output	
Rated current value I _{out} rated	20 A
Permissible charging current, max.	5 A
Rated voltage V _{out} DC	24 V
Safety	
Short-circuit protection	Battery fuse 25 A/32 V (solid-state circuitry blade-type fuse + support)
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
Approvals	Yes
Marine approval	ABS, DNV GL
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 	-40 ... +60 °C
<ul style="list-style-type: none"> during transport 	-40 ... +60 °C
<ul style="list-style-type: none"> during storage 	-40 ... +60 °C
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 note • at 20 °C typical • at 30 °C typical • at 40 °C typical • at 50 °C typical • at 60 °C typical 	<p>capacity falls to 80 % of original capacity (according to EUROBAT)</p> <p>10 y</p> <p>7 y</p> <p>3 y</p> <p>1.5 y</p> <p>1 y</p>
ambient temperature during storage note	<p>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.</p>	
Mechanics		
Connection technology	screw-type terminals	
Connection for power supply unit	1 screw terminal each for 0.2 ... 6 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	265 mm	
height of the enclosure	115 mm	
depth of the enclosure	76 mm	
installation width	265 mm	
Installation height	130 mm	
required spacing	<ul style="list-style-type: none"> • top • bottom • left • right 	
fastening method	<ul style="list-style-type: none"> • wall mounting • standard rail mounting • S7 rail mounting 	
Installation	snaps onto DIN rail EN 60715 35x7.5/15 or keyhole mounting for hooking in to M4 screws	
Weight, approx.	3.7 kg	
number of cells	12	
Battery	2.5 A·h	
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)	

