



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	
• at -10 °C recommended	28 V
• at 0 °C recommended	28 V
• at 10 °C recommended	27.8 V
• at 20 °C recommended	27.3 V
• at 30 °C recommended	26.8 V
• at 40 °C recommended	26.6 V
• 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	
• CE marking	Yes
• UL approval	Yes
• as approval for USA	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
• CSA approval	No
• cCSAus, Class 1, Division 2	No
• ATEX	No
certificate of suitability	
• EAC approval	Yes
• 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 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

- ambient temperature
- during operation
  - during transport
  - during storage

relative temporary capacity loss at 20 °C in a month typical

is sufficiently ventilated. Possible sources of ignition must be at least 50 cm away.

- 15 ... +50 °C
- 20 ... +50 °C
- 20 ... +40 °C
- 3 %

### Service life

service life of energy storage

- typical
- at 20 °C typical
- at 30 °C typical
- at 40 °C typical
- at 50 °C typical

ambient temperature during storage

- capacity falls to 80 % of original capacity (according to EUROBAT)
- 4 a
- 2 a
- 1 a
- 0.5 a

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

- for power supply unit
- for control circuit and status message

product component included

width of the enclosure

height of the enclosure

depth of the enclosure

installation width

mounting height

required spacing

- top
- bottom
- left
- right

fastening method

- wall mounting
- standard rail mounting
- S7 rail mounting

fastening method

net weight

number of cells

battery capacity

other information

screw-type terminals

- 1 screw terminal each for 0.2 ... 6 mm<sup>2</sup> for + BAT and - BAT
- 1 screw terminal each for 0.14 ... 4 mm<sup>2</sup>

Accessories pack with solid-state circuitry fuse 15 A

89 mm

130 mm

107 mm

89 mm

145 mm

15 mm

0 mm

0 mm

0 mm

Yes

Yes

No

snaps onto DIN rail EN 60715 35x7.5/15 or keyhole mounting for hooking in to M4 screws

1.9 kg

12

1.2 A·h

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

