



SITOP UPS1100/BATTERY MODULE/24V/7AH

SITOP UPS1100 Battery module with maintenance- free sealed lead batteries for SITOP DC UPS module 24 V DC 7 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	40 A
charging current maximum	1.75 A
output voltage at DC rated value	24 V

Safety

design of short-circuit protection	Battery fuse 2x 25 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 is sufficiently
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	ventilated. Possible sources of ignition must be at least 50 cm away.
ambient temperature	
• during operation	-15 ... +50 °C
• during transport	-20 ... +50 °C
• during storage	-20 ... +40 °C
relative temporary capacity loss at 20 °C in a month typical	3 %
Service life	
service life of energy storage	
• typical	capacity falls to 80 % of original capacity (according to EUROBAT)
• at 20 °C typical	4 a
• at 30 °C typical	2 a
• at 40 °C typical	1 a
• at 50 °C typical	0.5 a
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
• for power supply unit	1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT
• for control circuit and status message	1 screw terminal each for 0.14 ... 4 mm²
product component included	Accessories pack with solid-state circuitry fuse 25 A
width of the enclosure	186 mm
height of the enclosure	186 mm
depth of the enclosure	110 mm
installation width	186 mm
mounting height	201 mm
required spacing	
• top	15 mm
• bottom	0 mm
• left	0 mm
• right	0 mm
fastening method	
• wall mounting	Yes
• standard rail mounting	No
• S7 rail mounting	No
fastening method	can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)
net weight	6.1 kg
number of cells	12
battery capacity	7 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)



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