SIEMENS

Data sheet 6EP4133-0GB00-0AY0

SITOP UPS1100 BATTERY MOD. 24 V/3.2 AH
SITOP UPS1100 Battery module with warning not closed Lead batteries for SITOP DC-USV Module 6 A DC 24 V 3,2 Ah

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
Permissible charging current, max.	0.96 A
Rated voltage Vout DC	24 V
Rated current value Iout rated	20 A

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
CE mark	Yes
UL/cUL (CSA) approval	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
Explosion protection	IECEx Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213-M1987, ANSI/ISA-12.12.01-2013) Class I, Div. 2, Group ABCD, T4
Marine approval	DNV GL, ABS
Degree of protection (EN 60529)	IP20

Operating data note	
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	
• during operation	-15 ... +50 °C
• during transport	-20 ... +50 °C
• during storage	-20 ... +50 °C
Relative temporary capacity loss at 20 °C in a month typical	3 %

Service life	
Service life of energy storage	
• typical Note	capacity falls to 50 % of original capacity
• at 20 °C typical	4 y
• at 30 °C typical	2 y
• at 40 °C typical	1 y
• at 50 °C typical	0.5 y
Ambient temperature during storage Note	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	
Connection technology	screw-type terminals
Connection for power supply unit	1 screw terminal each for 0.2 ... 6 mm² for + BATT and - BATT
Type of electrical connection for control circuit and status message	1 screw terminal each for 0.14 ... 4 mm²
Product component belonging to	Accessories pack with solid-state circuitry fuse 25 A
Width of the enclosure	190 mm
Height of the enclosure	170 mm
Depth of the enclosure	78.7 mm

Installation width	190 mm
Installation height	184 mm
Weight, approx.	3.8 kg
Installation	snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws
Number of cells	12
Reference identifier acc. to DIN EN 81346-2	G
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)