SIEMENS

Data sheet 6EP4132-0GB00-0AY0

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	
● 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
● at 60 °C recommended	26 V
Output	
Rated current value Iout rated	20 A
Permissible charging current, max.	5 A
Rated voltage Vout 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
certificate of suitability ATEX	No
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	
● during operation	-40 ... +60 °C
● during transport	-40 ... +60 °C
● during storage	-40 ... +60 °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 80 % of original capacity (according to EUROBAT)
● at 20 °C typical	10 y
● at 30 °C typical	7 y
● at 40 °C typical	3 y
● at 50 °C typical	1.5 y
● at 60 °C typical	1 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 + BAT and - BAT
type of electrical connection 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	265 mm
height of the enclosure	115 mm
depth of the enclosure	76 mm
installation width	265 mm
Installation height	130 mm
required spacing	
● top	15 mm
● bottom	0 mm
● left	0 mm
● right	0 mm
fastening method	
● wall mounting	Yes
● standard rail mounting	Yes
● S7 rail mounting	No
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)