SIEMENS

Data sheet 6EP1935-6MC01



SITOP BATTERY MODULE/24V/1.2AH

SITOP battery module 24 V/1.2 Ah with maintenance-free sealed lead batteries for SITOP DC UPS module 6 A *Ex approval no longer available*

Charging current charging voltage	
end-of-charge voltage at DC	
● at -10 °C recommended	29 V
● at 0 °C recommended	28.4 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	
charging current maximum	0.3 A
output voltage at DC rated value	24 V
Safety	
design of short-circuit protection	Battery fuse 7.5 A/32 V (solid-state circuitry blade-type fuse + support)
design of the overload protection	Valve control
Safety	
operating resource protection class	Class III
protection class IP	IP00
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
● cCSAus, Class 1, Division 2	No
● ATEX	No
certificate of suitability	
● EAC approval	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 ventilated. Possible sources of ignition must be at least 50 cm away.
ambient temperature	
● during operation	-15 ... +50 °C

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● 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	capacity falls to 80 % of original capacity (according to EUROBAT)
● 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	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	spring-loaded terminals
● for power supply unit	1 screw terminal each for 0.08 ... 2.5 mm² for + BAT and - BAT
product component included	Accessories pack with solid-state circuitry fuse 7.5 A
width of the enclosure	96 mm
height of the enclosure	106 mm
depth of the enclosure	108 mm
installation width	116 mm
mounting height	126 mm
fastening method	
● wall mounting	Yes
● standard rail mounting	Yes
● S7 rail mounting	No
fastening method	snaps onto DIN rail EN 60715 35x7.5/15 or keyhole mounting for hooking in to M4 screws
net weight	1.8 kg
number of cells	12
battery capacity	1.2 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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