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Data sheet 6EP1935-6MD11

SITOP BATTERY MODULE 24 V/3.2 AH
SITOP rechargeable battery module 24 V/3.2 Ah with maintenance free Seaed lead batteries for SITOP DC-USV Module 6 A and 15 A



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	
Permissible charging current, max.	0.8 A
Rated voltage Vout DC	24 V
Safety	
Short-circuit protection	Battery fuse 15 A/32 V (solid-state circuitry blade-type fuse + support)
Design of the overload protection	Valve control
Safety	
Protection class	Class III

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Degree of protection (EN 60529)	IP00

Approvals	
CE mark	Yes
UL/cUL (CSA) approval	cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627
Marine approval	DNV GL, ABS

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
• 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	spring-loaded terminals
Connection for power supply unit	1 screw terminal each for 0.08 ... 2.5 mm² for + BAT and - BAT
Product component belonging to	Accessories pack with solid-state circuitry fuse 15 A
Width of the enclosure	190 mm
Height of the enclosure	151 mm
Depth of the enclosure	82 mm
Installation width	210 mm
Installation height	171 mm
Weight, approx.	3.2 kg
Installation	snaps onto DIN rail EN 60715 35x7.5/15 or keyhole mounting for hooking in to M4 screws

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Number of cells	12
Battery	3.2 A·h
Reference code acc. to DIN EN 81346-2	G
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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