## **SIEMENS**

Data sheet 6EP1935-6MF01

SITOP BATTERY MODULE/24V/12AH

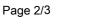
SITOP rechargeable battery module 24 V/12 Ah with maintenance free Seaed lead batteries for SITOP DC-USV Module 6 A, 15 A and 40 A



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.	3 A
Rated voltage Vout DC	24 V
Safety	
Short-circuit protection	Battery fuse 20 A/32 V (solid-state circuitry blade-type fuse +
	support)
design of the overload protection	Valve control
Safety	
Protection class	Class III



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		
<ul><li>during operation</li></ul>	-15 +50 °C	
<ul><li>during transport</li></ul>	-20 +50 °C	
<ul><li>during storage</li></ul>	-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 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 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 4 mm² for + BAT and - BAT	
product component belonging to	Accessories pack with solid-state circuitry fuse 20 A and 30 A	
width of the enclosure	253 mm	
height of the enclosure	168 mm	
depth of the enclosure	121 mm	
installation width	273 mm	



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Installation height

Weight, approx.

188 mm

9 kg

Installation	can be screwed onto flat surface (keyhole mounting for hooking in
	to M4 screws)
number of cells	12
Battery	12 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

