SIEMENS

Data sheet 6EP4135-0GE00-0AY0



SITOP BAT1600/BATT.MODUL/24V/12AH

SITOP BAT1600 24 V DC 12 Ah Pb battery module with maintenance- fee closed lead-acid battery for SITOP UPS1600

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
Output	
output current rated value	40 A
charging current maximum	3 A
output voltage at DC rated value	24 V
Safety	
design of the overload protection	Valve control
display version for normal operation	Three-color: green = Buffer ready; yellow = Buffer endangered; red = Buffer not possible
Safety	
operating resource protection class	Class III
protection class IP	IP20
Approvals	
certificate of suitability	
● CE marking	Yes
● UL approval	Yes
● as approval for USA	UL-Listed (UL 621010, CSA C22.2 No. 107.1)
● CSA approval	Yes
● cCSAus, Class 1, Division 2	No
● ATEX	No
certificate of suitability	
● C-Tick	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	

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● during operation	-15 ... +50 °C
● during transport	-20 ... +50 °C
● during storage	-20 ... +40 °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 a
● at 30 °C typical	2 a
● at 40 °C typical	1 a
● at 50 °C typical	0.5 a
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	screw-type terminals
● for power supply unit	1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT
● for control circuit and status message	1 screw terminal each for 0.2 ... 2.5 mm²
product component included	2x Maxi Fuse 50 A/32 V
width of the enclosure	225 mm
height of the enclosure	156 mm
depth of the enclosure	138 mm
installation width	225 mm
mounting height	256 mm
required spacing	
● top	50 mm
● bottom	50 mm
● left	0 mm
● right	0 mm
fastening method	
● wall mounting	Yes
● standard rail mounting	No
● S7 rail mounting	No
fastening method	Wall mounting
net weight	10.2 kg
number of cells	2
battery capacity	12 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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