SIEMENS

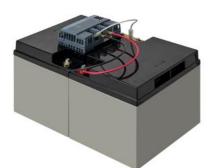
Charging current charging voltage

Data sheet

6EP4137-0GE00-0AY0

SITOP BAT1600/BATT.MODUL/24V/38AH

SITOP BAT1600 24 V DC 38 Ah Pb battery module with maintenance- fee closed lead-acid battery for SITOP UPS1600



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	9 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; cULus-Listed (UL 61010-1, UL61010-2-201 , CSA C22.2 No. 61010-1, CSA C22.2 NO 61010-2-201), File E143289; cCSAus (CSA 62368-1, UL62368-1)
 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
type of certification CB-certificate	Yes
certificate of suitability	
• C-Tick	Yes
 shipbuilding approval 	Yes
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	Yes
 American Bureau of Shipping Europe Ltd. (ABS) DNV GL 	Yes Yes

ambient temperature	
during operation	-15 +50 °C
during transport	-30 +70 °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	10 a
• at 30 °C typical	5 a
• at 40 °C typical	2.5 a
● at 50 °C typical	1.25 a
ambient temperature during storage	In addition to the storage temperature, additional factors, such as storage duration and charging status during storage, have a major impact on the potential service life. This means batteries should preferably be stored fully charged for short periods of time in a dry, cool and frost-proof (temperature range 0 to +20 °C) location.
Mechanics	
type of electrical connection	Plug-in terminals with screwed connection
 for power supply unit 	1 screw terminal each for 0.5 16 mm ² for + BAT and - BAT
 for control circuit and status message 	1 screw terminal each for 0.2 2.5 mm ²
product component included	2x Maxi Fuse 50 A/32 V
width of the enclosure	394 mm
height of the enclosure	212 mm
depth of the enclosure	165 mm
installation width	330 mm
mounting height	262 mm
required spacing	
• top	50 mm
• bottom	50 mm
• left	0 mm
• right	0 mm
fastening method	
wall mounting	No
 standard rail mounting 	No
S7 rail mounting	No
fastening method	Floor mounting
net weight	27.9 kg
number of cells	2
battery capacity	38 A·h
other information	Specifications at rated input voltage and ambient temperature +25 $^\circ \text{C}$ (unless otherwise specified)

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