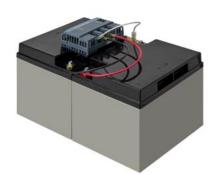
SIEMENS

Data sheet

6EP4137-0GE00-0AY0





SITOP BAT1600 24 V DC 38 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	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
 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 batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed.
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 y
• at 30 °C typical	5 y
• at 40 °C typical	2.5 y
• at 50 °C typical	1.25 y
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 mm² 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	28.4 kg
number of cells	2
battery capacity	38 A·h
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

