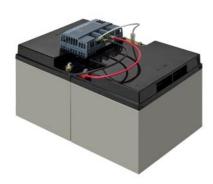
## **SIEMENS**

## **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
<ul> <li>at 20 °C recommended</li> </ul>	27.3 V
<ul> <li>at 30 °C recommended</li> </ul>	26.8 V
• at 40 °C recommended	26.6 V
<ul> <li>at 50 °C recommended</li> </ul>	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	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	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 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
<ul> <li>for power supply unit</li> </ul>	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 <sup>2</sup>
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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