# 6EP4135-0GE00-0AY0

**Data sheet** 



SITOP BAT1600/Battery module/24V/12AH

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

Technical Product Detail Page	https://i.siemens.com/1P6EP4135-0GE00-0AY0	
electrical data		
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		
battery capacity	12 A·h	
output current rated value	40 A	
output current in buffering mode maximum	40 A	
peak current	120 A; for 30 ms	
charging current maximum	3 A	
output voltage at DC rated value	24 V	
interfaces		
communication function	Yes	
protection and monitoring		
design of short-circuit protection	50A / 32V Maxi flat fuse	
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	
standards, specifications, 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	
UKCA marking	Yes	
type of certification CB-certificate	Yes	
standards, specifications, approvals hazardous environments		
certificate of suitability		
• ATEX	No	
standards, specifications, approvals marine classification		
shipbuilding approval	Yes	

Marine classification association			
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes		
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	in preparation		
standards, specifications, approvals Environmental Product De	Product Declaration		
Environmental Product Declaration	Yes		
global warming potential [CO2 eq]			
• total	40.18 kg		
during manufacturing	22.2 kg		
during operation	14 kg		
after end of life	1.17 kg		
ambient conditions			
ambient condition	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		
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	1a		
• at 50 °C typical	0.5 a		
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.		
	range 0 to +20 °C.		
connection method	range 0 to +20 °C.		
connection method type of electrical connection	range 0 to +20 °C.  screw terminal		
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type of electrical connection  • for UPS module	screw terminal  1 screw terminal each for 0.5 16 mm² for + BAT and - BAT		
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type of electrical connection     • for UPS module     • for control circuit and status message  mechanical data  width × height × depth of the enclosure installation width × mounting height	screw terminal 1 screw terminal each for 0.5 16 mm² for + BAT and - BAT 1 screw terminal each for 0.2 2.5 mm²  225 × 156 × 138 mm		
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type of electrical connection         • for UPS module         • for control circuit and status message  mechanical data  width × height × depth of the enclosure installation width × mounting height  required spacing         • top         • bottom         • left         • right  fastening method         • DIN-rail mounting         • S7 rail mounting         • wall mounting  net weight number of cells  accessories  product component included	screw terminal 1 screw terminal each for 0.5 16 mm² for + BAT and - BAT 1 screw terminal each for 0.2 2.5 mm²  225 × 156 × 138 mm 225 mm × 256 mm  50 mm 0 mm 0 mm Wall mounting No No Yes 10.2 kg		
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other information

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

### security information

security information

Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

### Classifications

Version	Classification
14	27-05-04-03
12	27-05-04-03
9.1	27-05-04-03
9	27-05-04-03
8	27-05-04-03
7.1	27-05-04-03
6	27-05-04-90
10	EC000357
9	EC000357
8	EC000357
7	EC000357
	14 12 9.1 9 8 7.1 6 10 9

## **Approvals Certificates**

**General Product Approval** 

Dangerous goods



Manufacturer Declaration







<u>Dangerous goods information</u>

### **Environment**



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11/25/2025