



SITOP BAT1600/Battery monitor

SITOP BAT1600 battery monitor spare part for SITOP BAT1600 38 Ah Pb

Technical Product Detail Page

<https://i.siemens.com/1P6EP4130-0GJ00-0AY0>

output	
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
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	
<ul style="list-style-type: none"> <li>• CE marking</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• UL approval</li> </ul>	Yes; cULus-Listed (UL 61010-1, UL61010-2-201 , CSA C22.2 No. 61010-1, CSA C22.2 NO 61010-2-201), File E143289
<ul style="list-style-type: none"> <li>• UKCA marking</li> </ul>	Yes
type of certification CB-certificate	Yes
standards, specifications, approvals hazardous environments	
certificate of suitability	
<ul style="list-style-type: none"> <li>• ATEX</li> </ul>	No
standards, specifications, approvals marine classification	
shipbuilding approval	Yes
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	Yes
standards, specifications, approvals Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> <li>• total</li> </ul>	0.873 kg
<ul style="list-style-type: none"> <li>• during manufacturing</li> </ul>	0.74 kg
<ul style="list-style-type: none"> <li>• after end of life</li> </ul>	0.039 kg
ambient conditions	
ambient condition	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	
<ul style="list-style-type: none"> <li>during operation</li> <li>during transport</li> <li>during storage</li> </ul>	<p>-25 ... +70 °C</p> <p>-40 ... +85 °C</p> <p>-40 ... +85 °C</p>

### connection method

type of electrical connection	Plug-in terminals with screwed connection
<ul style="list-style-type: none"> <li>for UPS module</li> <li>for control circuit and status message</li> </ul>	<p>1 screw terminal each for 0.5 ... 16 mm<sup>2</sup> for + BAT and - BAT</p> <p>1 screw terminal each for 0.2 ... 2.5 mm<sup>2</sup></p>

### mechanical data

width × height × depth of the enclosure	77 × 109 × 42 mm
installation width × mounting height	77 mm × 92 mm
required spacing	
<ul style="list-style-type: none"> <li>top</li> <li>bottom</li> <li>left</li> <li>right</li> </ul>	<p>50 mm</p> <p>50 mm</p> <p>0 mm</p> <p>0 mm</p>
fastening method	Velcro fastener
<ul style="list-style-type: none"> <li>DIN-rail mounting</li> <li>S7 rail mounting</li> <li>wall mounting</li> </ul>	<p>No</p> <p>No</p> <p>No</p>
net weight	0.4 kg

### accessories

product component included	2x Maxi Fuse 50 A/32 V
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### further information internet links

internet link	
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: power supplies</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<p><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></p> <p><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></p> <p><a href="https://siemens.com/sitop">https://siemens.com/sitop</a></p> <p><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></p> <p><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></p>

### additional information

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

security information	<p>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 <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a>. (V4.7)</p>
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### Classifications

	Version	Classification
eClass	14	27-05-04-03
eClass	12	27-05-04-03
eClass	9.1	27-05-04-03
eClass	9	27-05-04-03
eClass	8	27-05-04-03
eClass	7.1	27-05-04-03
eClass	6	27-05-04-90

ETIM	10	EC000357
ETIM	9	EC000357
ETIM	8	EC000357
ETIM	7	EC000357

**Approvals Certificates**

<b>General Product Approval</b>	<b>Environment</b>
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[Manufacturer Declaration](#)



last modified:

11/15/2025