

SITOP BAT8600/PB/380WH

SITOP BAT8600 Pb battery module for UPS8600 DC 48 V/380 Wh energy storage: mainten.-free lead batteries



Output	
energy content of energy storage	380 W·h
output current rated value	20 A
output voltage at DC rated value	48 V
number of parallel-switched equipment resources for increasing the power	5
Safety	
design of short-circuit protection	Blade-type fuse 40 A, 58 V DC
design of the overload protection	Valve control
Safety	
operating resource protection class	Class III
protection class IP	IP20
Approvals	
certificate of suitability	
<ul style="list-style-type: none"> <li>• CE marking</li> <li>• UL approval</li> <li>• as approval for USA</li> </ul>	Yes Yes cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
<ul style="list-style-type: none"> <li>• CSA approval</li> <li>• cCSAus, Class 1, Division 2</li> <li>• ATEX</li> </ul>	Yes No No
type of certification CB-certificate	Yes
certificate of suitability	
<ul style="list-style-type: none"> <li>• EAC approval</li> <li>• shipbuilding approval</li> </ul>	Yes Yes
shipbuilding approval	ABS, DNV GL
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• DNV GL</li> </ul>	Yes 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	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during transport</li> <li>• during storage</li> </ul>	-10 ... +50 °C -40 ... +60 °C -15 ... +40 °C
Service life	
service life of energy storage	
<ul style="list-style-type: none"> <li>• typical</li> <li>• at 20 °C typical</li> </ul>	capacity falls to 80 % of original capacity (according to EUROBAT) 4 a

<ul style="list-style-type: none"> <li>• at 30 °C typical</li> <li>• at 40 °C typical</li> <li>• at 50 °C typical</li> </ul>	<p>2 a</p> <p>1 a</p> <p>0.5 a</p>
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.
<b>Mechanics</b>	
type of electrical connection	Plug-in terminals with screwed connection
<ul style="list-style-type: none"> <li>• for power supply unit</li> </ul>	+ , - : 2 plug-in terminals with 1 screwed connection each for 0.2 ... 10 mm <sup>2</sup>
product component included	2x blade-type fuse 40 A, 58 V DC
width of the enclosure	322 mm
height of the enclosure	187 mm
depth of the enclosure	110 mm
installation width	322 mm
mounting height	207 mm
required spacing	
<ul style="list-style-type: none"> <li>• top</li> </ul>	20 mm
<ul style="list-style-type: none"> <li>• bottom</li> </ul>	0 mm
<ul style="list-style-type: none"> <li>• left</li> </ul>	0 mm
<ul style="list-style-type: none"> <li>• right</li> </ul>	0 mm
fastening method	
<ul style="list-style-type: none"> <li>• wall mounting</li> </ul>	Yes
<ul style="list-style-type: none"> <li>• standard rail mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• S7 rail mounting</li> </ul>	No
fastening method	Keyhole mounting for hooking in to M4 screws
net weight	13.5 kg
number of batteries	4
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

