

SITOP BAT8600/LiFePO4/264WH

SITOP BAT8600 LiFePO4 battery module for UPS8600 DC 48 V/264 Wh energy storage: mainten.-free lithium iron-phosph. batteries



Output	
energy content of energy storage	264 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 approval	Yes
• as approval for USA	cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
• CSA approval	Yes
• cCSAus, Class 1, Division 2	No
• ATEX	No
type of certification CB-certificate	Yes
certificate of suitability	
• EAC approval	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	-10 ... +50 °C
• during transport	-40 ... +80 °C
• during storage	-40 ... +35 °C
Service life	
service life of energy storage	
• typical	capacity falls to 80 % of original capacity (according to EUROBAT)
• at 20 °C typical	15 a
• at 30 °C typical	10 a
• at 40 °C typical	9 a

<ul style="list-style-type: none"> • at 50 °C typical 	2 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 style="list-style-type: none"> • for power supply unit 	+, -: 2 plug-in terminals with 1 screwed connection each for 0.2 ... 10 mm ²
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"> • top 	20 mm
<ul style="list-style-type: none"> • bottom 	0 mm
<ul style="list-style-type: none"> • left 	0 mm
<ul style="list-style-type: none"> • right 	0 mm
fastening method	
<ul style="list-style-type: none"> • wall mounting 	Yes
<ul style="list-style-type: none"> • standard rail mounting 	No
<ul style="list-style-type: none"> • S7 rail mounting 	No
fastening method	Keyhole mounting for hooking in to M4 screws
net weight	6.5 kg
number of batteries	4
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)



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