

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
Rated current value I _{out} rated	20 A
Rated voltage V _{out} DC	48 V
Numbers of parallel switchable units for enhanced performance	5
Safety	
Short-circuit protection	Blade-type fuse 40 A, 58 V DC
design of the overload protection	Valve control
Safety	
Protection class	Class III
Degree of protection (EN 60529)	IP20
Approvals	
UL/cUL (CSA) approval	cCSAus (CSA C22.2 No. 60950-1, UL 60950-1)
Explosion protection	-
Marine approval	ABS, DNV GL
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 note	capacity falls to 80 % of original capacity (according to EUROBAT)
• at 20 °C typical	15 y
• at 30 °C typical	10 y
• at 40 °C typical	9 y
• at 50 °C typical	2 y
ambient temperature during storage note	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

Connection technology	Plug-in terminals with screwed connection
Connection 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
Installation height	207 mm
required spacing	
• top	20 mm
• bottom	0 mm
• left	0 mm
• right	0 mm
fastening method	
• wall mounting	Yes
• standard rail mounting	No
• S7 rail mounting	No
Installation	Keyhole mounting for hooking in to M4 screws
Weight, approx.	6.5 kg
number of batteries	4
other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

