SIEMENS

Data sheet 6EP4143-8JB00-0XY0

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	
Rated current value Iout rated	20 A
Rated voltage Vout DC	48 V
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	DNV GL and ABS in process
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	

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• 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 mm²
Product component belonging to	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
Weight, approx.	6.5 kg
Installation	Keyhole mounting for hooking in to M4 screws
Other information	Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)

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