

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 y |
| • at 30 °C typical | 10 y |

| | |
|--|---|
| <ul style="list-style-type: none"> • at 40 °C typical • at 50 °C typical | 9 y 2 y |
| 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 <ul style="list-style-type: none"> • for power supply unit | Plug-in terminals with screwed connection +, -: 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 • bottom • left • right | 20 mm 0 mm 0 mm 0 mm |
| fastening method <ul style="list-style-type: none"> • wall mounting • standard rail mounting • S7 rail mounting | Yes No 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) |

