



SITOP BAT1600/BATT.MODUL/24V/38AH

SITOP BAT1600 24 V DC 38 Ah Pb battery module with maintenance- free closed lead-acid battery for SITOP UPS1600

Charging current charging voltage

end-of-charge voltage at DC

| | |
|-------------------------|--------|
| • at -10 °C recommended | 28 V |
| • at 0 °C recommended | 28 V |
| • at 10 °C recommended | 27.8 V |
| • at 20 °C recommended | 27.3 V |
| • at 30 °C recommended | 26.8 V |
| • at 40 °C recommended | 26.6 V |
| • at 50 °C recommended | 26.3 V |

Output

| | |
|----------------------------------|------|
| output current rated value | 40 A |
| charging current maximum | 9 A |
| output voltage at DC rated value | 24 V |

Safety

| | |
|--------------------------------------|--|
| design of the overload protection | Valve control |
| display version for normal operation | Three-color: green = Buffer ready; yellow = Buffer endangered; red = Buffer not possible |

Safety

| | |
|-------------------------------------|-----------|
| operating resource protection class | Class III |
| protection class IP | IP20 |

Approvals

| | |
|---|--|
| certificate of suitability | |
| • CE marking | Yes |
| • UL approval | Yes |
| • as approval for USA | UL-Listed (UL 621010, CSA C22.2 No. 107.1) |
| • CSA approval | Yes |
| • cCSAus, Class 1, Division 2 | No |
| • ATEX | No |
| certificate of suitability | |
| • C-Tick | 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 | -15 ... +50 °C |

| | |
|--|---|
| <ul style="list-style-type: none"> • during transport | -30 ... +70 °C |
| <ul style="list-style-type: none"> • during storage | -20 ... +40 °C |
| relative temporary capacity loss at 20 °C in a month typical | 3 % |
| Service life | |
| service life of energy storage <ul style="list-style-type: none"> • typical • at 20 °C typical • at 30 °C typical • at 40 °C typical • at 50 °C typical | capacity falls to 80 % of original capacity (according to EUROBAT) 10 a 5 a 2.5 a 1.25 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 <ul style="list-style-type: none"> • for power supply unit • for control circuit and status message | Plug-in terminals with screwed connection 1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT 1 screw terminal each for 0.2 ... 2.5 mm² |
| product component included | 2x Maxi Fuse 50 A/32 V |
| width of the enclosure | 394 mm |
| height of the enclosure | 212 mm |
| depth of the enclosure | 165 mm |
| installation width | 330 mm |
| mounting height | 262 mm |
| required spacing <ul style="list-style-type: none"> • top • bottom • left • right | 50 mm 50 mm 0 mm 0 mm |
| fastening method <ul style="list-style-type: none"> • wall mounting • standard rail mounting • S7 rail mounting | No No No |
| fastening method | Floor mounting |
| net weight | 27.9 kg |
| number of cells | 2 |
| battery capacity | 38 A·h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |



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