



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 | |
| <ul style="list-style-type: none"> at -10 °C recommended | 28 V |
| <ul style="list-style-type: none"> at 0 °C recommended | 28 V |
| <ul style="list-style-type: none"> at 10 °C recommended | 27.8 V |
| <ul style="list-style-type: none"> at 20 °C recommended | 27.3 V |
| <ul style="list-style-type: none"> at 30 °C recommended | 26.8 V |
| <ul style="list-style-type: none"> at 40 °C recommended | 26.6 V |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> CE marking | Yes |
| <ul style="list-style-type: none"> UL approval | Yes; cULus-Listed (UL 61010-1, UL61010-2-201 , CSA C22.2 No. 61010-1, CSA C22.2 NO 61010-2-201), File E143289; cCSAus (CSA 62368-1, UL62368-1) |
| <ul style="list-style-type: none"> as approval for USA | UL-Listed (UL 621010, CSA C22.2 No. 107.1) |
| <ul style="list-style-type: none"> CSA approval | Yes |
| <ul style="list-style-type: none"> cCSAus, Class 1, Division 2 | No |
| <ul style="list-style-type: none"> ATEX | No |
| type of certification CB-certificate | Yes |
| certificate of suitability | |
| <ul style="list-style-type: none"> C-Tick | Yes |
| <ul style="list-style-type: none"> shipbuilding approval | Yes |
| Marine classification association | |
| <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| <ul style="list-style-type: none"> 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 | |
| <ul style="list-style-type: none"> during operation during transport during storage | <p>-15 ... +50 °C</p> <p>-30 ... +70 °C</p> <p>-20 ... +40 °C</p> |
| relative temporary capacity loss at 20 °C in a month typical | 3 % |
| Service life | |
| service life of energy storage | capacity falls to 80 % of original capacity (according to EUROBAT) |
| <ul style="list-style-type: none"> typical at 20 °C typical at 30 °C typical at 40 °C typical at 50 °C typical | <p>10 a</p> <p>5 a</p> <p>2.5 a</p> <p>1.25 a</p> |
| 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 for control circuit and status message | <p>1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT</p> <p>1 screw terminal each for 0.2 ... 2.5 mm²</p> |
| 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 | <p>50 mm</p> <p>50 mm</p> <p>0 mm</p> <p>0 mm</p> |
| fastening method | |
| <ul style="list-style-type: none"> wall mounting standard rail mounting S7 rail mounting | <p>No</p> <p>No</p> <p>No</p> |
| 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) |

