



SITOP BAT1600/BATT.MODUL/24V/12AH/EX

SITOP BAT1600 EX 24 V DC 12 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 at 0 °C recommended at 10 °C recommended at 20 °C recommended at 30 °C recommended at 40 °C recommended at 50 °C recommended | 28 V 28 V 27.8 V 27.3 V 26.8 V 26.6 V 26.3 V |
| Output | |
| output current rated value | 40 A |
| charging current maximum | 3 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 UL approval CSA approval cCSAus, Class 1, Division 2 ATEX | Yes No No No Yes |
| certificate of suitability | |
| <ul style="list-style-type: none"> IECEX | Yes |
| certificate of suitability | |
| <ul style="list-style-type: none"> shipbuilding approval | No |
| shipbuilding approval | available soon |
| Marine classification association | |
| <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) DNV GL | No No |
| environmental conditions | |
| Operating data note | For storage, mounting and operation of lead-acid batteries, the relevant DIN/VDE regulations or country-specific regulations (e.g. VDE 0510 Part 2/EN 50272-2) must be observed. You must ensure that the battery site is sufficiently ventilated. Possible sources of ignition must be at least 50 cm away. |
| ambient temperature | |

| | |
|--|---|
| <ul style="list-style-type: none"> • during operation | -15 ... +50 °C |
| <ul style="list-style-type: none"> • during transport | -20 ... +50 °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 | capacity falls to 80 % of original capacity (according to EUROBAT) |
| <ul style="list-style-type: none"> • typical | 4 a |
| <ul style="list-style-type: none"> • at 20 °C typical | 2 a |
| <ul style="list-style-type: none"> • at 30 °C typical | 1 a |
| <ul style="list-style-type: none"> • at 40 °C typical | 0.5 a |
| <ul style="list-style-type: none"> • at 50 °C typical | |
| ambient temperature during storage | Along with the storage and operating temperature, other factors such as the duration of the storage period and the charge status during storage have a decisive influence on the possible useful life. Batteries should therefore be stored as briefly as possible, always fully charged, and within the temperature range 0 to +20 °C. |
| Mechanics | |
| type of electrical connection | screw-type terminals |
| <ul style="list-style-type: none"> • for power supply unit | 1 screw terminal each for 0.5 ... 16 mm ² for + BAT and - BAT |
| <ul style="list-style-type: none"> • for control circuit and status message | 1 screw terminal each for 0.2 ... 2.5 mm ² |
| product component included | 2x Maxi Fuse 50 A/32 V |
| width of the enclosure | 225 mm |
| height of the enclosure | 156 mm |
| depth of the enclosure | 138 mm |
| installation width | 225 mm |
| mounting height | 256 mm |
| required spacing | |
| <ul style="list-style-type: none"> • top | 50 mm |
| <ul style="list-style-type: none"> • bottom | 50 mm |
| <ul style="list-style-type: none"> • left | 0 mm |
| <ul style="list-style-type: none"> • right | 0 mm |
| fastening method | |
| <ul style="list-style-type: none"> • wall mounting | Yes |
| <ul style="list-style-type: none"> • standard rail mounting | No |
| <ul style="list-style-type: none"> • S7 rail mounting | No |
| fastening method | Wall mounting |
| net weight | 10.2 kg |
| number of cells | 2 |
| battery capacity | 12 A·h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |

