



SITOP BAT1600/BATT.MODUL/24V/3.2AH

SITOP BAT1600 24 V DC 3.2 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 | 20 A |
| charging current maximum | 0.8 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 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 • during transport • during storage | -15 ... +50 °C -20 ... +50 °C -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) 4 a 2 a 1 a 0.5 a |
| 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 <ul style="list-style-type: none"> • for power supply unit • for control circuit and status message | screw-type terminals 1 screw terminal each for 0.5 ... 10 mm² for + BAT and - BAT 1 screw terminal each for 0.2 ... 2.5 mm² |
| product component included | 2x Maxi Fuse 25 A/32 V |
| width of the enclosure | 89 mm |
| height of the enclosure | 156 mm |
| depth of the enclosure | 169 mm |
| installation width | 89 mm |
| mounting height | 256 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 | Yes Yes Yes |
| fastening method | snaps onto DIN rail EN 60715 35x15 or wall mounting with accessories wall mounting set 6EP4990-0MK00-0XU0 |
| net weight | 3.8 kg |
| number of cells | 2 |
| battery capacity | 3.2 A·h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |



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