

SITOP UPS1100 BATTERY MOD. 24 V/3.2 AH
 SITOP UPS1100 Battery module with warning not closed Lead
 batteries for SITOP DC-USV Modules; DC 24 V 3,2 Ah



| 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 | |
| Rated current value Iout rated | 20 A |
| Permissible charging current, max. | 0.8 A |
| Rated voltage Vout DC | 24 V |
| Safety | |
| Short-circuit protection | Battery fuse 25 A/32 V (solid-state circuitry blade-type fuse + support) |
| design of the overload protection | Valve control |

| | |
|---|---|
| Status display | LED green: Battery OK; LED flashing green: Error or warning; OFF: No communication |
| Safety | |
| Protection class | Class III |
| Degree of protection (EN 60529) | IP20 |
| Approvals | |
| CE mark | Yes |
| UL/cUL (CSA) approval | cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627 |
| Explosion protection | IECEX Ex nA nC IIC T4 Gc; cCSAus (CSA C22.2 No. 213-M1987, ANSI/ISA-12.12.01-2013) Class I, Div. 2, Group ABCD, T4 |
| Approvals | Yes |
| Marine approval | DNV GL, ABS |
| 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 ... +50 °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 note 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 y 2 y 1 y 0.5 y |
| ambient temperature during storage note | 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 | |
| Connection technology | screw-type terminals |
| Connection for power supply unit | 1 screw terminal each for 0.2 ... 6 mm ² for + BAT and - BAT |

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|--|---|
| type of electrical connection for control circuit and status message | 1 screw terminal each for 0.14 ... 4 mm ² |
| product component belonging to | Accessories pack with solid-state circuitry fuse 25 A |
| width of the enclosure | 190 mm |
| height of the enclosure | 170 mm |
| depth of the enclosure | 78.7 mm |
| installation width | 190 mm |
| Installation height | 184 mm |
| Weight, approx. | 3.8 kg |
| Installation | snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws |
| number of cells | 12 |
| Battery | 3.2 A·h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |