



SITOP UPS1100/BATTERY MODULE/24V/7AH

SITOP UPS1100 Battery module with maintenance- free sealed lead batteries for SITOP DC UPS module 24 V DC 7 Ah \*Ex approval no longer available\*

| Charging current charging voltage   |  |
|---|--|
| end-of-charge voltage at DC   |  |
| <ul style="list-style-type: none"> <li>at -10 °C recommended</li> </ul>                         | 28 V   |
| <ul style="list-style-type: none"> <li>at 0 °C recommended</li> </ul>                           | 28 V   |
| <ul style="list-style-type: none"> <li>at 10 °C recommended</li> </ul>                          | 27.8 V   |
| <ul style="list-style-type: none"> <li>at 20 °C recommended</li> </ul>                          | 27.3 V   |
| <ul style="list-style-type: none"> <li>at 30 °C recommended</li> </ul>                          | 26.8 V   |
| <ul style="list-style-type: none"> <li>at 40 °C recommended</li> </ul>                          | 26.6 V   |
| <ul style="list-style-type: none"> <li>at 50 °C recommended</li> </ul>                          | 26.3 V   |
| Output  |  |
| output current rated value  | 40 A   |
| charging current maximum  | 1.75 A   |
| output voltage at DC rated value  | 24 V   |
| Safety  |  |
| design of short-circuit protection  | Battery fuse 2x 25 A/32 V (solid-state circuitry blade-type fuse + support)        |
| design of the overload protection   | Valve control  |
| display version for normal operation  | LED green: Battery OK; LED flashing green: Error or warning; OFF: No communication |
| Safety  |  |
| operating resource protection class   | Class III  |
| protection class IP   | IP20   |
| Approvals   |  |
| certificate of suitability  |  |
| <ul style="list-style-type: none"> <li>CE marking</li> </ul>                                    | Yes  |
| <ul style="list-style-type: none"> <li>UL approval</li> </ul>                                   | Yes  |
| <ul style="list-style-type: none"> <li>as approval for USA</li> </ul>                           | cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627                      |
| <ul style="list-style-type: none"> <li>CSA approval</li> </ul>                                  | No   |
| <ul style="list-style-type: none"> <li>cCSAus, Class 1, Division 2</li> </ul>                   | No   |
| <ul style="list-style-type: none"> <li>ATEX</li> </ul>  | No   |
| certificate of suitability  |  |
| <ul style="list-style-type: none"> <li>EAC approval</li> </ul>                                  | Yes  |
| <ul style="list-style-type: none"> <li>C-Tick</li> </ul>  | Yes  |
| <ul style="list-style-type: none"> <li>shipbuilding approval</li> </ul>                         | Yes  |
| shipbuilding approval   | ABS, DNV GL  |
| Marine classification association   |  |
| <ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul> | Yes  |
| <ul style="list-style-type: none"> <li>DNV GL</li> </ul>  | 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  |   |
| • during operation   | -15 ... +50 °C  |
| • during transport   | -20 ... +50 °C  |
| • during storage   | -20 ... +40 °C  |
| relative temporary capacity loss at 20 °C in a month typical | 3 %   |
| <b>Service life</b>  |   |
| service life of energy storage                               |   |
| • typical  | capacity falls to 80 % of original capacity (according to EUROBAT)  |
| • at 20 °C typical   | 4 y   |
| • at 30 °C typical   | 2 y   |
| • at 40 °C typical   | 1 y   |
| • at 50 °C typical   | 0.5 y   |
| 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. |
| <b>Mechanics</b>   |   |
| type of electrical connection                                | screw-type terminals  |
| • for power supply unit                                      | 1 screw terminal each for 0.5 ... 16 mm <sup>2</sup> for + BAT and - BAT  |
| • for control circuit and status message                     | 1 screw terminal each for 0.14 ... 4 mm <sup>2</sup>  |
| product component included                                   | Accessories pack with solid-state circuitry fuse 25 A   |
| width of the enclosure                                       | 186 mm  |
| height of the enclosure                                      | 186 mm  |
| depth of the enclosure                                       | 110 mm  |
| installation width   | 186 mm  |
| mounting height  | 201 mm  |
| required spacing   |   |
| • top  | 15 mm   |
| • bottom   | 0 mm  |
| • left   | 0 mm  |
| • right  | 0 mm  |
| fastening method   |   |
| • wall mounting  | Yes   |
| • standard rail mounting                                     | No  |
| • S7 rail mounting   | No  |
| fastening method   | can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)   |
| net weight   | 6.1 kg  |
| number of cells  | 12  |
| battery capacity   | 7 A·h   |
| other information  | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)   |

