

SITOP BATTERY MODULE 24 V/7 AH  
SITOP Akkumodul 24 V/7 Ah with maintenance free Sealed lead  
batteries for SITOP DC-USV Module 6 A 15 A and 40 A



| Charging current charging voltage  |        |
|------------------------------------|--------|
| End-of-charge voltage at DC        |        |
| • 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 |
| Permissible charging current, max. | 1.75 A |
| Rated voltage Vout DC              | 24 V   |

| Safety                            |                                                                          |
|-----------------------------------|--------------------------------------------------------------------------|
| Short-circuit protection          | Battery fuse 20 A/32 V (solid-state circuitry blade-type fuse + support) |
| Design of the overload protection | Valve control                                                            |

| Safety                |                                                               |
|-----------------------|---------------------------------------------------------------|
| Protection class      | Class III                                                     |
| CE mark               | Yes                                                           |
| UL/cUL (CSA) approval | cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627 |

|                                                              |                                                                                                                                                                                                                                                                                                                                         |
|--------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Marine approval                                              | DNV GL, ABS                                                                                                                                                                                                                                                                                                                             |
| Degree of protection (EN 60529)                              | IP00                                                                                                                                                                                                                                                                                                                                    |
| <b>Operating data note</b>                                   |                                                                                                                                                                                                                                                                                                                                         |
| 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 ... +50 °C                                                                                                                                                                                                                                                                                                                          |
| Relative temporary capacity loss at 20 °C in a month typical | 3 %                                                                                                                                                                                                                                                                                                                                     |
| <b>Service life</b>                                          |                                                                                                                                                                                                                                                                                                                                         |
| Service life of energy storage                               |                                                                                                                                                                                                                                                                                                                                         |
| • typical Note                                               | capacity falls to 50 % of original capacity                                                                                                                                                                                                                                                                                             |
| • 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 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. |
| <b>Mechanics</b>                                             |                                                                                                                                                                                                                                                                                                                                         |
| Connection technology                                        | spring-loaded terminals                                                                                                                                                                                                                                                                                                                 |
| Connection for power supply unit                             | 1 screw terminal each for 0.08 ... 4 mm <sup>2</sup> for + BATT and - BATT                                                                                                                                                                                                                                                              |
| Product component belonging to                               | Accessories pack with solid-state circuitry fuse 20 A and 30 A                                                                                                                                                                                                                                                                          |
| Width of the enclosure                                       | 186 mm                                                                                                                                                                                                                                                                                                                                  |
| Height of the enclosure                                      | 168 mm                                                                                                                                                                                                                                                                                                                                  |
| Depth of the enclosure                                       | 121 mm                                                                                                                                                                                                                                                                                                                                  |
| Installation width                                           | 206 mm                                                                                                                                                                                                                                                                                                                                  |
| Installation height                                          | 188 mm                                                                                                                                                                                                                                                                                                                                  |
| Weight, approx.                                              | 6 kg                                                                                                                                                                                                                                                                                                                                    |
| Installation                                                 | can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws)                                                                                                                                                                                                                                                         |
| Number of cells                                              | 12                                                                                                                                                                                                                                                                                                                                      |
| Reference identifier acc. to DIN EN 81346-2                  | G                                                                                                                                                                                                                                                                                                                                       |
| Other information                                            | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)                                                                                                                                                                                                                                       |

