

SITOP BATTERY MODULE 24 V/2.5 AH
 SITOP pure lead battery module 24 V/2.5 Ah with service-free sealed lead-acid batteries for SITOP DC UPS module 6 A and 15 A



Charging current charging voltage

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| 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 • at 60 °C recommended | <p>29 V</p> <p>28.6 V</p> <p>28.3 V</p> <p>27.9 V</p> <p>27.5 V</p> <p>27.2 V</p> <p>26.8 V</p> <p>26.4 V</p> |
| Permissible charging current, max. | 5 A |
| Rated voltage V_{out} DC | 24 V |

Safety

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| Short-circuit protection | Battery fuse 15 A/32 V (solid-state circuitry blade-type fuse + support) |
| Design of the overload protection | Valve control |

Safety

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| Protection class | Class III |
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| CE mark | Yes |
| UL/cUL (CSA) approval | cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627 |
| Marine approval | GL, ABS |
| Degree of protection (EN 60529) | IP00 |

Operating data note

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| 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 | <p>-40 ... +60 °C</p> <p>-40 ... +60 °C</p> <p>-40 ... +60 °C</p> |
| Relative temporary capacity loss at 20 °C in a month typical | 3 % |

Service life

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| Service life of energy storage | |
| <ul style="list-style-type: none"> • typical remark • at 20 °C typical • at 30 °C typical • at 40 °C typical • at 50 °C typical • at 60 °C typical | <p>capacity falls to 50 % of original capacity</p> <p>10 y</p> <p>7 y</p> <p>3 y</p> <p>1.5 y</p> <p>1 y</p> |
| 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

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| Connection technology | spring-loaded terminals |
| Connection for power supply unit | 1 screw terminal each for 0.08 ... 2.5 mm ² for + BATT and - BATT |
| Product component belonging to | Accessories pack with solid-state circuitry fuse 15 A |
| Width of the enclosure | 265 mm |
| Height of the enclosure | 151 mm |
| Depth of the enclosure | 91 mm |
| Installation width | 285 mm |
| Installation height | 171 mm |
| Weight, approx. | 3.8 kg |
| Installation | snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws |

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| Number of cells | 12 |
| Equipment marking acc. to DIN EN 81346-2 | G |
| Other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |