

SITOP BATTERY MODULE/24V/2.5AH

SITOP pure lead battery module 24 V/2.5 Ah with maintenance-free sealed lead batteries for SITOP DC UPS module 6 A and 15 A *Ex approval no longer available*



Charging current charging voltage

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|---|--------|
| end-of-charge voltage at DC | |
| <ul style="list-style-type: none"> at -10 °C recommended | 29 V |
| <ul style="list-style-type: none"> at 0 °C recommended | 28.6 V |
| <ul style="list-style-type: none"> at 10 °C recommended | 28.3 V |
| <ul style="list-style-type: none"> at 20 °C recommended | 27.9 V |
| <ul style="list-style-type: none"> at 30 °C recommended | 27.5 V |
| <ul style="list-style-type: none"> at 40 °C recommended | 27.2 V |
| <ul style="list-style-type: none"> at 50 °C recommended | 26.8 V |
| <ul style="list-style-type: none"> at 60 °C recommended | 26.4 V |

Output

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| charging current maximum | 5 A |
| output voltage at DC rated value | 24 V |

Safety

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| design of 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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| operating resource protection class | Class III |
| protection class IP | IP00 |

Approvals

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| certificate of suitability | |
| <ul style="list-style-type: none"> CE marking | Yes |
| <ul style="list-style-type: none"> UL approval | Yes |
| <ul style="list-style-type: none"> as approval for USA | cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627 |
| <ul style="list-style-type: none"> cCSAus, Class 1, Division 2 | No |
| <ul style="list-style-type: none"> ATEX | No |
| certificate of suitability | |
| <ul style="list-style-type: none"> EAC approval | Yes |
| <ul style="list-style-type: none"> shipbuilding approval | Yes |
| shipbuilding approval | ABS, DNV GL |
| Marine classification association | |
| <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| <ul style="list-style-type: none"> DNV GL | Yes |

environmental conditions

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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 | -40 ... +60 °C |
| <ul style="list-style-type: none"> during transport | -40 ... +60 °C |

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|--|---|
| <ul style="list-style-type: none"> during storage | -40 ... +60 °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 at 60 °C typical | capacity falls to 80 % of original capacity (according to EUROBAT) 10 a 7 a 3 a 1.5 a 1 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 | spring-loaded terminals 1 screw terminal each for 0.08 ... 2.5 mm ² for + BAT and - BAT |
| product component included | 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 |
| mounting height | 171 mm |
| fastening method <ul style="list-style-type: none"> wall mounting standard rail mounting S7 rail mounting | Yes Yes No |
| fastening method | snaps onto DIN rail EN 60715 35x15 or keyhole mounting for hooking in to M4 screws |
| net weight | 3.8 kg |
| number of cells | 12 |
| battery capacity | 2.5 A·h |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |

