



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*

electrical data

end-of-charge voltage at DC

| | |
|-------------------------|--------|
| • at -10 °C recommended | 28 V |
| • at 0 °C recommended | 28 V |
| • 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 |

output

| | |
|--|------------------|
| battery capacity | 7 A-h |
| output current rated value | 40 A |
| output current in buffering mode maximum | 40 A |
| peak current | 120 A; for 30 ms |
| charging current maximum | 1.75 A |
| output voltage at DC rated value | 24 V |

interfaces

| | |
|------------------------|-----|
| communication function | Yes |
|------------------------|-----|

protection and monitoring

| | |
|--------------------------------------|--|
| 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 |

standards, specifications, approvals

| | |
|----------------------------|--|
| certificate of suitability | |
| • CE marking | Yes |
| • UL approval | Yes; cURus-Recognized (UL 1778, CSA C22.2 No. 107.1), File E219627 |
| • CSA approval | No |
| • EAC approval | Yes |

standards, specifications, approvals hazardous environments

| | |
|-------------------------------|----|
| certificate of suitability | |
| • ATEX | No |
| • cCSAus, Class 1, Division 2 | No |

standards, specifications, approvals marine classification

| | |
|---|-----|
| shipbuilding approval | Yes |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |

| | |
|--|--|
| • Det Norske Veritas (DNV) | Yes |
| ambient conditions | |
| ambient condition | 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 % |
| service life of energy storage | |
| • typical | capacity falls to 80 % of original capacity (according to EUROBAT) |
| • at 20 °C typical | 4 a |
| • at 30 °C typical | 2 a |
| • at 40 °C typical | 1 a |
| • at 50 °C typical | 0.5 a |
| 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. |
| mechanical data | |
| type of electrical connection | screw-type terminals |
| • for power supply unit | 1 screw terminal each for 0.5 ... 16 mm² for + BAT and - BAT |
| • for control circuit and status message | 1 screw terminal each for 0.14 ... 4 mm² |
| design, dimensions and weights | |
| width × height × depth of the enclosure | 186 × 186 × 110 mm |
| installation width × mounting height | 186 × 201 mm |
| required spacing | |
| • top | 15 mm |
| • bottom | 0 mm |
| • left | 0 mm |
| • right | 0 mm |
| fastening method | can be screwed onto flat surface (keyhole mounting for hooking in to M4 screws) |
| • standard rail mounting | No |
| • S7 rail mounting | No |
| • wall mounting | Yes |
| net weight | 6.1 kg |
| number of cells | 12 |
| accessories | |
| product component included | Accessories pack with solid-state circuitry fuse 25 A |
| further information internet links | |
| internet link | |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to web page: selection aid TIA Selection Tool | https://siemens.com/tst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: CAX-Download-Manager | http://www.siemens.com/cax |
| additional information | |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |
| security information | |
| security information | Siemens provides products and solutions with industrial security functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial security measures that may be implemented, please visit https://www.siemens.com/industrialsecurity . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly |

recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Security RSS Feed under <https://www.siemens.com/cert>. (V4.6)

Classifications

| | Version | Classification |
|--------|---------|----------------|
| eClass | 12 | 27-05-04-03 |
| eClass | 9.1 | 27-05-04-03 |
| eClass | 9 | 27-05-04-03 |
| eClass | 8 | 27-05-04-03 |
| eClass | 7.1 | 27-05-04-03 |
| eClass | 6 | 27-05-04-90 |
| ETIM | 9 | EC000356 |
| ETIM | 8 | EC000356 |
| ETIM | 7 | EC000356 |
| UNSPSC | 15 | 26-11-17-01 |

Approvals Certificates

| | | |
|--------------------------|--------------------------------|-------------------|
| General Product Approval | For use in hazardous locations | Marine / Shipping |
|--------------------------|--------------------------------|-------------------|

[Manufacturer Declaration](#)

[Declaration of Conformity](#)



[CCC-Ex](#)



| | | | |
|-------------------|-------|----------------|-------------|
| Marine / Shipping | other | Dangerous Good | Environment |
|-------------------|-------|----------------|-------------|



[Miscellaneous](#)

[Transport Information](#)

[Dangerous Goods Information](#)

[Environmental Confirmations](#)

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