



SITOP UPS8600/120W

SITOP UPS8600 UPS module for PSU8600 nominal voltage: DC 48 V buffer power: 960 W charging power: 120 W

| Mains buffering | |
|---|--|
| type of energy storage | External battery module |
| design of the mains power cut bridging-connection | Buffer time limit 1 ... 88 min. can be set with DIP switches or until the connected battery modules are discharged |
| charging current | 1.25 A, 2.5 A |
| adjustable charging current maximum note | Charging capacity 60 W/120 W, can be set with DIP switches |
| Output | |
| output voltage | |
| • in normal operation at DC rated value | 48 V |
| property of the output short-circuit proof | Yes |
| supplied active power typical | 960 W |
| Efficiency | |
| efficiency in percent | |
| • in case of operation on rechargeable battery typical | 99 % |
| power loss [W] | |
| • in case of operation on rechargeable battery typical | 10 W |
| Protection and monitoring | |
| product function | |
| • reverse polarity protection against energy storage unit polarity reversal | Yes |
| Signaling | |
| display version | Three-color LED for operating state of module, three-color LED for status of battery circuit |
| • for normal operation | LED green for "buffer standby exist" |
| • in buffering mode | LED yellow for "buffered mode" |
| Interface | |
| design of the interface | Ethernet/PROFINET via power supply unit PSU8600 |
| Safety | |
| operating resource protection class | Class III |
| protection class IP | IP20 |
| Approvals | |
| certificate of suitability | |
| • CE marking | Yes |
| • UL approval | Yes |
| • as approval for USA | cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259; cCSAus (CSA C22.2 No. 60950-1, UL 60950-1) |
| • CSA approval | Yes |
| • cCSAus, Class 1, Division 2 | No |
| • ATEX | No |
| type of certification CB-certificate | Yes |
| certificate of suitability | |

| | |
|--|---|
| • EAC approval | Yes |
| • shipbuilding approval | Yes |
| shipbuilding approval | ABS, DNV GL |
| Marine classification association | |
| • American Bureau of Shipping Europe Ltd. (ABS) | Yes |
| • DNV GL | Yes |
| EMC | |
| standard | |
| • for emitted interference | EN 55022 Class B |
| • for interference immunity | EN 61000-6-2 |
| environmental conditions | |
| ambient temperature | |
| • during operation | -25 ... +70 °C; with natural convection |
| • during transport | -40 ... +85 °C |
| • during storage | -40 ... +85 °C |
| environmental category according to IEC 60721 | Climate class 3K3, 5 ... 95% no condensation |
| Mechanics | |
| type of electrical connection | Plug-in terminals with screwed connection |
| • for rechargeable battery module | +, -: Plug-in terminal with 1 screwed connection each for 0.2 ... 10 mm ² |
| type of connection to system components | Via integrated connector |
| width of the enclosure | 60 mm |
| height of the enclosure | 125 mm |
| depth of the enclosure | 150 mm |
| required spacing | |
| • top | 50 mm |
| • bottom | 50 mm |
| • left | 0 mm |
| • right | 0 mm |
| net weight | 0.9 kg |
| product feature of the enclosure housing can be lined up | Yes |
| fastening method | Snaps onto DIN rail EN 60715 35x15 |
| electrical accessories | Battery module BAT8600 |
| mechanical accessories | Device identification label 20 mm × 7 mm, TI-grey 3RT2900-1SB20 |
| MTBF at 40 °C | 405 763 h |
| reference code according to IEC 81346-2 | RB |
| other information | Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified) |

