



SITOP DC UPS MODULE 6A WITHOUT INTERFACE
SITOP DC UPS MODULE 24 V/6 A UNINTERRUPTIBLE POWER
SUPPLY WITHOUT INTERFACE INPUT: 24 V DC/6.85 A OUTPUT:
24 V DC/6 A

Input

| | |
|-----------------------------------|----------------|
| Supply voltage for DC Rated value | 24 V |
| Voltage curve at input | DC |
| input voltage range | 22 ... 29 V DC |

Mains buffering

| | |
|------------------------|----------------|
| Type of energy storage | with batteries |
| Charging current | |
| • 1 | 0.2 A |
| • 2 | 0.4 A |

Output

| | |
|---|--|
| Output voltage | |
| • in normal operation for DC Rated value | 24 V |
| • in buffering mode for DC Rated value | 24 V |
| Formula for output voltage | $V_{in} - \text{approx. } 0.5 \text{ V}$ |
| ON-delay time typical | 1 s |
| Voltage increase time of the output voltage typical | 60 ms |
| Output current Rated value | 6 A |
| Property of the output Short-circuit proof | Yes |
| Active power supplied typical | 144 W |

Efficiency

| | |
|---|--------|
| Efficiency in percent | |
| • at rated output current at rated output current typical | 95 % |
| • in case of accumulator operation typical | 94.5 % |

| | |
|---|--|
| Active power loss | |
| <ul style="list-style-type: none"> • at rated output current at rated output current typical | 7 W |
| <ul style="list-style-type: none"> • in case of accumulator operation typical | 8 W |
| Protection and monitoring | |
| Product function | |
| <ul style="list-style-type: none"> • reverse polarity protection against energy storage unit polarity reversal | Yes |
| <ul style="list-style-type: none"> • reverse polarity protection against input voltage polarity reversal | Yes |
| Signaling | |
| Display version | |
| <ul style="list-style-type: none"> • for normal operation | Normal operation: LED green (OK), floating changeover contact "Bat/OK" to setting "OK" ("OK" means: Voltage of the supplying power supply unit is greater than cut-in threshold set at the DC UPS module); Lack of buffer standby: LED red (alarm), floating changeover contact "Alarm/Bat" to setting "Alarm"; Battery replacement required: LED red (alarm) flashing with approx. 0.25 Hz, floating changeover contact "Alarm/Bat" switching with approx. 0.25 Hz; Energy storage > 85%: LED green (Bat > 85%), floating NO contact "Bat > 85" closed; Permissible contact current capacity: DC 60 V/1 A or AC 30 V /1 A |
| <ul style="list-style-type: none"> • in buffering mode | Buffered mode: LED yellow (Bat), floating changeover contact "OK/Bat" to setting "Bat"; Prewarning battery voltage < 20.4 VDC: LED red (alarm), floating changeover contact "Alarm/Bat" to setting "Alarm"; Energy storage > 85%: LED green (Bat > 85%), floating NO contact "Bat > 85" closed |
| Interface | |
| Product component PC interface | No |
| Design of the interface | without |
| Safety | |
| Galvanic isolation between entrance and outlet | No |
| Operating resource protection class | Class III |
| 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 | cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259 |
| <ul style="list-style-type: none"> • relating to ATEX | - |
| <ul style="list-style-type: none"> • C-Tick | No |
| Shipbuilding approval | - |
| Protection class IP | IP20 |
| EMC | |
| Standard | |

- for emitted interference
- for interference immunity

EN 55022 Class B

EN 61000-6-2

Operating data

Ambient temperature

- during operation -25 ... +60 °C
- during transport -40 ... +85 °C
- during storage -40 ... +85 °C

Mechanics

Type of electrical connection

- at input screw-type terminals
24 V DC: 2 screw terminals for 1 ... 4 mm²/17 ... 11 AWG
- at output 24 V DC: 4 screw terminals for 1 ... 4 mm²/17 ... 11 AWG
- for battery module 24 V DC: 2 screw terminals for 1 ... 4 mm²/17 ... 11 AWG
- for control circuit and status message 10 screw terminals for 0.5 ... 2.5 mm²/20 ... 13 AWG

Width of the enclosure

50 mm

Height of the enclosure

125 mm

Depth of the enclosure

125 mm

Required spacing

- top 50 mm
- bottom 50 mm
- left 0 mm
- right 0 mm

Net weight

0.4 kg

Product property of the enclosure housing for side-by-side mounting

Yes

Mounting type

Snaps onto DIN rail EN 60715 35x7.5/15

Electrical accessories

Battery module

Other information

Specifications at rated input voltage and ambient temperature +25 °C (unless otherwise specified)