



SITOP DC UPS MODULE 6A WITH SERIAL INT.
 SITOP DC UPS MODULE 24 V/6 A UNINTERRUPTIBLE POWER
 SUPPLY WITH SERIAL INTERFACE INPUT: DC 24 V/6.85 A
 OUTPUT: DC 24 V/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	
<ul style="list-style-type: none"> • 1 • 2 	0.2 A 0.4 A

Output	
Output voltage	
<ul style="list-style-type: none"> • in normal operation for DC Rated value • in buffering mode for DC Rated value 	24 V 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	
<ul style="list-style-type: none"> • at rated output current at rated output current typical • in case of accumulator operation typical 	95 % 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	Yes
Design of the interface	serial

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	
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- 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

0.45 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)