



SITOP UPS1600 20A UNINTERRUPTIBLE POWER
SUPPLY INPUT: 24 V DC OUTPUT: 24 V/20 A DC

Technical specifications

product brand name	SITOP UPS1600
Type of current supply	DC UPS 24 V/20 A

Input

Supply voltage / for DC / rated value	24 V
Form of voltage / at the input	DC
input / voltage range	22 ... 29 V DC

Mains buffering

Type of energy storage	with batteries
charging current / 1	0.1 A
charging current / 2	4 A

Output

Output voltage / on network operation / for DC / nominal value	24 V
Output voltage / in buffering mode / with DC / rated value	24 V
ON-delay time / typical	60 s
Voltage increase time / of the output voltage / typical	60 ms
Output current / nominal value	20 A
delivered active power / typ.	480 W

Efficiency

Efficiency in percent / at rated value of the output voltage / at rated value of the output current / typical	98.2 %
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Resistive loss / on nominal level of the output current: / for rated value of the output voltage / typical	8.6 W
Efficiency in percent / for battery operation / typical	98.2 %
Active power loss / during battery operation / typical	8.6 W
Protection and monitoring	
Product function / reverse polarity protection against energy storage unit polarity reversal	Yes
Product function / protection against polarity reversal on input voltage	Yes
Signaling	
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
Verification of suitability / CE mark	Yes
Verification of suitability / UL-registration	Yes
Verification of suitability / as authorisation for USA	cULus-Listed (UL 508, CSA C22.2 No. 107.1), File E197259
Protection class IP	IP20
EMC	
Standard / for emitted interference	EN 55022 Class B
Standard / for interference immunity	EN 61000-6-2
Operating data	
Ambient temperature / in operation	-25 ... +70 °C
Ambient temperature / on transport	-40 ... +85 °C
Ambient temperature / in storage	-40 ... +85 °C
Climatic class / according to EN 60721	Climate class 3K3, no condensation
Mechanics	
Design of the electrical connection	screw-type terminals
Design of the electrical connection / at the input	24 V DC: 2 screw terminals for 0.2 ... 6 mm ² /24 ... 13 AWG
Design of the electrical connection / secondary side	24 V DC: 2 screw terminals for 0.2 ... 6 mm ² /24 ... 13 AWG
Design of electrical connection / for battery module	24 V DC: 2 screw terminals for 0.2 ... 6 mm ² /24 ... 13 AWG
Design of electrical connection / for control circuit and status message	14 screw terminals for 0.2 ... 1.5 mm ² /24 ... 16 AWG
Width / of the housing	50 mm
Height / of the housing	125 mm
Depth / of the housing	125 mm
Installation width	50 mm
Required spacing / top	50 mm

Required spacing / bottom	50 mm
Required spacing / left	0 mm
Required spacing / right	0 mm
Net weight	0.39 kg
Product feature / of the housing / housing for side-by-side mounting	Yes
Type of mounting	Snap 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)

letzte Änderung:

Mar 1, 2014