

DC UPS DCDC500-48-48

Maintenance-free UPS for DC voltage applications

Specification

The maintenance-free UPS has been developed without battery operation. In case of a voltage breakdown, it supplies loads up to 1,5 minutes providing a constant output voltage at 500W performance.



Picture may differ from actual device

General

Electrical safety	EN 60950, VDE 0805
Isolation	0.5kV _{DC} to case

Electrical data

Input

Input voltage nominal	U _N = 48 V _{DC} , adjustable
Voltage range	38 – 72 V _{DC}
Power consumption after charging	<0,1A
Maximum charge current	10A

Output

Output voltage nominal	48 V _{DC} , adjustable
Voltage stability	+/- 5%
Maximum output power	500W
Output current	10A
Current limitation	switch-off at short-circuit

By-pass data

By-pass time	1,5 minutes at full load
Operating threshold	adjustable
Maximum charging time	1,5 minutes
Response time	uninterruptible

Environmental conditions

During operation	-5°C to +45°C, non condensing
Relative air humidity	<75% average per year

Signalisation

RS232 connector	for adjustable system configuration discharging threshold, charging threshold and charging current relay, adjustable via RS232
Signal contact	3 LED (power, charge, discharge)
Visual signals	

EMC

Emission	EN 50081-1 curve EN 55022B
Immunity	EN 50082-2

Mechanical data

Case material	sheet steel, zinc-plated
Dimension	19", 1U, depth 252mm
Weight	approx. 3,5 kg
Protection	IP 20 (EN 60529)
Cooling	convection cooling
Cable access	rear side

Connection terminals

Input/output: -X1	Phoenix Combicon, 3-pol. (mating plug 2,5mm ²)
Signal: -X2	RS232 interface

Reliability

12 years maintenance-free

Warranty

24 months

Order code

DCDC500-48-48