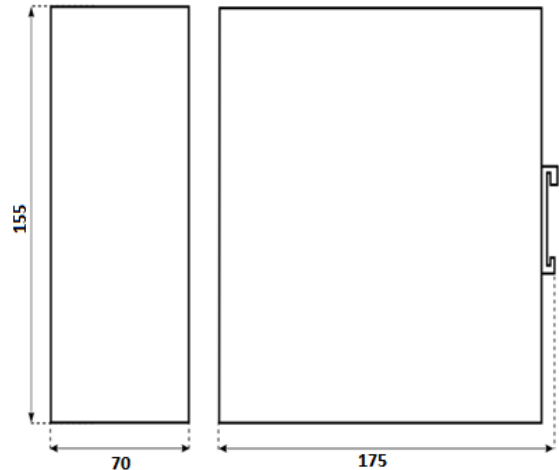


JS-300-545/DIN2_CH



DESCRIPTION

Switching power supply - AC/DC charger for backup power supply of electronic devices. Designed for charging a lead-acid (VRLA) battery with a nominal voltage of 48 V. Temperature compensation of the charging voltage. Mounting on DIN35 rail. LED operation indication and relay contacts.

TECHNICAL PARAMETERS

Input Data

Input voltage, DC	180 - 260 V AC
Frequency of input	47-63 Hz
Input current, DC max.	1,7 A at 230 V AC
Input fuse	Yes (internal T 6,5 AH / 250 V AC)

Output Data

Output voltage	54,5 V DC (adjustable +/- 5 %) rated battery voltage 48 V
Output current	5,5 A max. (current limit - sum of charging and output current)
Output power	300 W
Temperature compensation voltage	-3 mV / article / ° C (initial temperature 25 ° C, terminal blocks T +, T-))
Power derating	-2 %/°C from 40 °C to 50 °C ambient temperature
Short-circuit protection	Yes (auto resume)
Max. residual ripple	<150 mV

General Data

Efficiency, max.	approx. 87 %
Max. power loss (nominal load)	approx. 44 W
Parallel connection of outputs	Yes (integrated isolating diode on the output and LS switch)
Impulse withstand	0,5 kV between L and N, 0,5 kV between L,N and frame
Isolation	3 kV between primary and secondary (double insulation), 1,5 kV primary-frame
Cooling	natural (free air)
IP code	IP20
Weight	1400 g



Material of enclosure	Al + FeZN sheet
Dimensions	70 x 155 x 175 mm
Class of protection	I.
Pollution degree	2
RoHS comply	Yes

Connection data

Number of terminals

Wire cross-section

Solid min/max

Flexible min/max

Tightening torque, min/max

Input

3 (L,N,PE)

0,5/2,5 mm²

20/13 AWG

0,5/2,5 mm²

20/13 AWG

0,5/0,6 Nm

Output

4 (++,--)

0,5/2,5 mm²

20/13 AWG

0,5/2,5 mm²

20/13 AWG

0,5/0,6 Nm

Other

4(COM, NO, T+, T-)

0,25/1,5 mm²

23/15 AWG

0,25/1,5 mm²

23/15 AWG

0,5/0,6 Nm

Signal indication

Device working

LED green and relay contact (connected COM, NO)

Environmental conditions

Operating temperature

-20°C to 50 °C

Relative humidity (non-condensing)

10% to 90 %RH

Installation altitude

<3000 m above sea level

The power supply is designed for continuous operation, overvoltage category in installation 3 according to EN 61010-1 and is resistant to short-circuit at the output.

TECHNICAL STANDARDS

Safety

EN 61204-7 ed.2

EMC

EN 61000-6-1 ed.2

EN 61000-6-3 ed.2

Limited warranty**5 years****PACKING AND STORAGE**

The product is supplied bulk packaged, user's guide for each piece is included.

Storage temperature -25 to 70 °C, relative humidity < 80 % (not condensing). It is prohibited to expose the product to mechanical shocks and injurious gases.