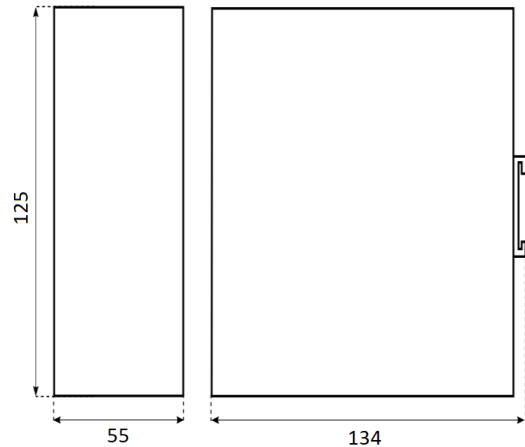


JS-150-275/DIN2_CH_ODP



DESCRIPTION

Switching power supply - AC/DC charger with integrated basic battery management for backup power supply of electronic devices. Designed for connecting a lead-acid (VRLA) battery with a nominal voltage of 24 V. Temperature compensation of the charging voltage and protection against deep discharge of the battery. Protection of the battery input by an internal fuse. Mounting on DIN35 rail. LED operation indication and relay contacts.

TECHNICAL PARAMETERS

Input Data

| | |
|--------------------|----------------------------------|
| Input voltage | 180 - 260 V AC |
| Frequency of input | 47-63 Hz |
| Input current max. | 1 A at 230 V AC |
| Input fuse | Yes (internal T 4 AH / 250 V AC) |

Output Data

| | |
|----------------------------------|--|
| Output voltage | 27,5 V DC (adjustable +/- 5 %) nominal battery voltage 48 V |
| Output current | 5 A max. (current limit - sum of charging and output current) |
| Output power | 137,5 W |
| Temperature compensation voltage | -3 mV / article / ° C (initial temperature 25 ° C, terminal blocks T +, T-)) |
| Short-circuit protection | Yes (auto resume) |
| Max. residual ripple | <150 mV |
| Battery protection | fuse 6,3 A |
| Battery disconnect voltage | 21 V (+/- 0.5 V) - protection against deep discharge |
| Recommended battery capacity | from 12 Ah to 55 Ah |

General Data

| | |
|--------------------------------|--|
| Efficiency, max. | approx. 87 % |
| Max. power loss (nominal load) | approx. 20,5 W |
| 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 800 g
Material of enclosure Al + FeZN sheet
Dimensions 55 x 125 x 134 mm
Class of protection I.
Pollution degree 2
RoHS comply Yes

Connection data

| | Input | Output | Battery | Other |
|----------------------------|--------------------------------------|--------------------------------------|--------------------------------------|---------------------------------------|
| Number of terminals | 3 (L,N,PE) | 4 (++,--) | 4(++,--) | 4(COM, NO, T+, T-) |
| Wire cross-section | | | | |
| Solid min/max | 0,5/2,5 mm ² 20/13 AWG | 0,5/2,5 mm ² 20/13 AWG | 0,5/2,5 mm ² 20/13 AWG | 0,25/1,5 mm ² 23/15 AWG |
| Flexible min/max | 0,5/2,5 mm ² 20/13 AWG | 0,5/2,5 mm ² 20/13 AWG | 0,5/2,5 mm ² 20/13 AWG | 0,25/1,5 mm ² 23/15 AWG |
| Tightening torque, min/max | 0,5/0,6 Nm | 0,5/0,6 Nm | 0,5/0,6 Nm | 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.