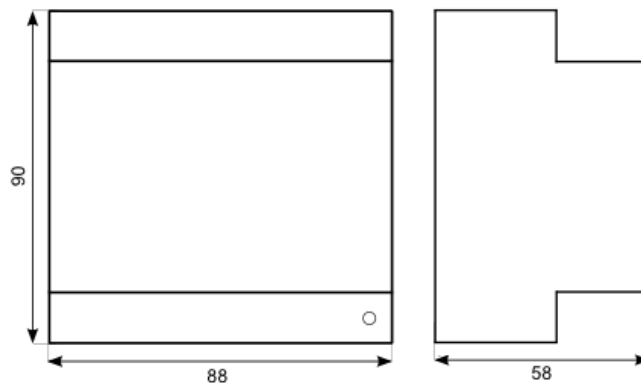


JS-75-275/DIN2_CH



DESCRIPTION

Switching power supply-charger AC/DC for backup power supply of electronic devices (charging VRLA batteries with rated voltage 24 V. Output circuit SELV type. There is a possibility of parallel connection of two power supplies to increase the charging current or gaining redundancy. Indication of operation by LED and optocoupler output. DIN35 rail mount.

TECHNICAL PARAMETERS

Input Data

Input voltage, DC	100 - 260 V AC (180-350 V DC) the output power must be reduced by 0,5 %/1 V at the input voltage below 150 V
Frequency of input	47-63 Hz (0 Hz in case of DC grid)
Input current, DC max.	0,4 A at 230 V AC (0,35 A at 220 V DC)
Input fuse	Yes (internal T 2 AH / 250 V AC)

Output Data

Output voltage	27,5 V DC (+/-3 %) (V adj. 23 -30 V DC)
Output current	2,7 A max. (current limit)
Charging characteristics	I/U
Output power	74 W
Short-circuit protection	Yes (auto resume), the battery must be externally secured (fuse T6,3 A)
Max. residual ripple	<150 mV
Recommended battery capacity	7,2 Ah to 32 Ah

General Data

Efficiency, max.	approx. 86 %
Max. power loss (nominal load)	approx. 12 W
Parallel operation	turn the LS switch to the ON position (integrated isolating diode at the output)
Impulse withstand	0,5 kV line to line, 0,5 kV line to case
Isolation	3 kV between primary and secondary (double insulation), 1,5 kV primary-frame
Cooling	natural (free air)
IP code	IP20



Weight	370 g
Material of enclosure	Al + FeZN sheet
Dimensions	90 x 88 x 58 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

2 (+/-)

0,5/2,5 mm²

20/13 AWG

0,5/2,5 mm²

20/13 AWG

0,5/0,6 Nm

Signalization

2(C, E)

0,5/2,5 mm²

20/13 AWG

0,5/2,5 mm²

20/13 AWG

0,5/0,6 Nm

Signal indication

Device working

LED green

Optocoupler output, 35V / 10 mA open collector (C-collector, E-emitter)

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.