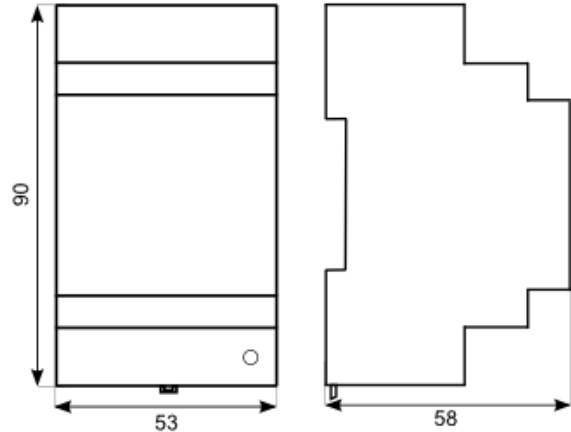


JS-30-275/DIN_CH_ODP



DESCRIPTION

Switching power supply-charger AC/DC with current limit. Can be used for backup power with a battery connected in parallel to the output terminals. Designed for lead-acid batteries (VRLA) with a nominal voltage of 24 V. Output circuit type SELV. DIN35 rail mount. LED operation indication.

TECHNICAL PARAMETERS

Input Data

Input voltage, DC	230 V AC (180-260 V AC, 180-350 V DC)
Frequency of input	47-63 Hz
Input current, DC max.	250 mA
Input fuse	Yes (internal T 1 AH / 250 V AC)

Output Data

Output voltage	27,5 V DC (+/-3 %)
Output current	1 A max. (current limit +/-7%)
Output power	approx. 30 W
Charging characteristics	I/U
Short-circuit protection	Yes (auto resume), the battery must be externally secured (fuse T4 A)
Max. residual ripple	<150 mV
Battery disconnect voltage	21 V (+/-0,5V) (reconnect the battery after charging voltage is restored)
Recommended battery capacity	3,6 Ah to 24 Ah

General Data

Efficiency, max.	approx. 86 %
Max. power loss (nominal load)	approx. 4,5 W
Impulse withstand	0,5 kV line to line, 0,5 kV line to case
Isolation	3 kV between primary and secondary (double insulation)
Cooling	natural (free air)
IP code	IP20



Weight	160 g
Material of enclosure	NORYL
Dimensions	90 x 53 x 58 mm
Class of protection	II.
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 (N,GND,L)

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

Signal indication

Device working

LED green

Environmental conditions

Operating temperature

-5°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 61204-1 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.