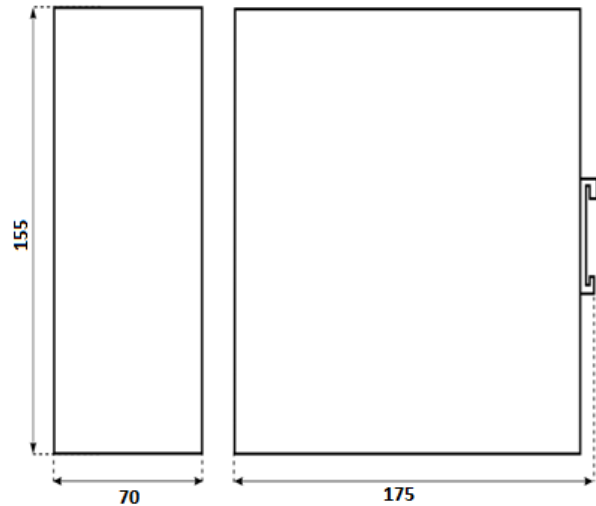


JSD-300-275/DIN2_CH_ODP



DESCRIPTION

Switching power supply - AC/DC charger with integrated basic battery management for backup power supply of electronic devices and with remote monitoring. 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 external fuse. 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 6,3 AH / 250 V AC)

Output Data

Output voltage	27,5 V DC (adjustable +/- 5 %)
Output current	10 A max. (current limit - the sum of charging and output current)
Charging current	3 A max. (current limit +/- 10 %)
Output power	275 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	must be secured with an external fuse (20 A)
Battery disconnect voltage	21 V (+/- 0,5 V) - protection against deep discharge
Recommended battery capacity	from 10 Ah to 55 Ah

General Data

Efficiency, max.	approx. 87 %
Max. power loss (nominal load)	approx. 40 W
Resistance to voltage pulse	0,5 kV between L and N, 0,5kV L,N and frame
Isolation	4 kV between primary and secondary (double insulation), 2 kV primary-frame
Insulation resistance	> 20 MΩ
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	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)

Remote monitoring

Ethernet interface, WWW server, SNMP or MODBUS protocols
monitored quantities - voltage, current, temperature
alarm messages - mains failure, charger failure, low battery

[<Download the detailed description of remote monitoring here>](#)

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.