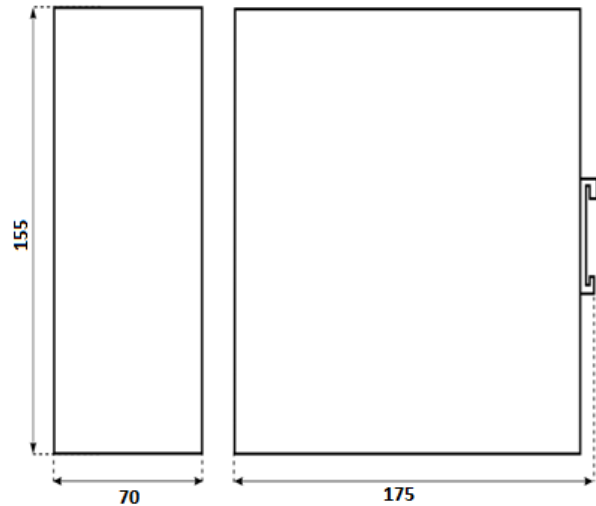


JS-300-138/DIN2_CH_ODP



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 12 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 6,3 AH / 250 V AC)

Output Data

Output voltage	13,8 V DC (adjustable +/- 5 %)
Output current	20 A max. (current limit - sum of charging and output current)
Output power	276 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
Battery protection	fuse 20 A
Battery disconnect voltage	10,5 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. 41 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	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)
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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.