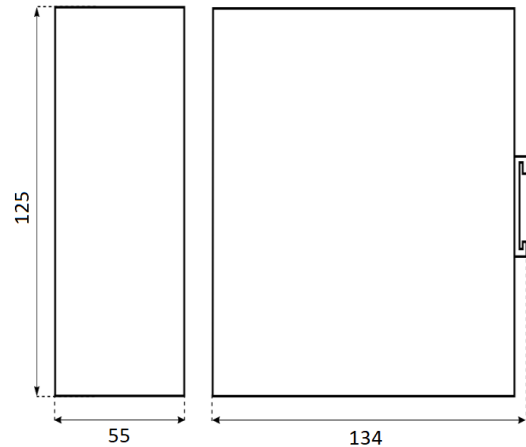


JS-150-138/DIN2_CH_ODP



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

Output Data

Output voltage	13,8 V DC (adjustable +/- 5 %)
Output current	10 A max. (current limit - sum of charging and output current)
Output power	138 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	10,5 V (+/- 0,5 V) - protection against deep discharge
Recommended battery capacity	from 20 Ah to 100 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.