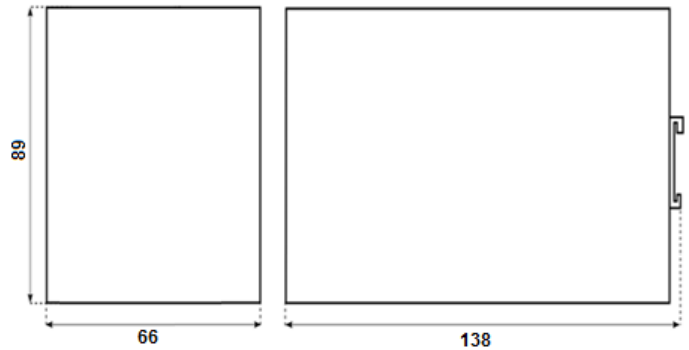


## JSD-119-545/DIN3\_CH\_ODP



### 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. Possibility to start backup after connecting a charged battery by pressing the BATTERY CONNECT button.

### TECHNICAL PARAMETERS

#### Input Data

Input voltage, DC	160-260 V AC
Frequency of input	47-63 Hz
Input current, DC max.	0,7 A at 230 V AC
Input fuse	Yes (internal T 4 AH / 250 V AC)

#### Output Data

Output voltage	54,5 V DC (+/-1 %)
Output current	2,5 A max. (current limit - the sum of charging and output current) 1 A max. at input voltage lower than 180 V AC
Charging current	0,8 A max.(current limit +/-10 %)
Output power	136 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	<250 mV
Battery protection	must be secured with an external fuse (6 A)
Battery disconnect voltage	41,5 V (+/- 0.5 V) - protection against deep discharge
Recommended battery capacity	from 2,4 Ah to 12 Ah

#### General Data

Efficiency, max.	approx. 87 %
Max. power loss (nominal load)	approx. 20 W
Resistance to voltage pulse	0,5 kV between L and N, 0,5kV L, N and frame
Isolation	3 kV between primary and secondary (double insulation), 1,5 kV primary-frame



Insulation resistance > 20 M $\Omega$   
Cooling natural(free air)  
IP code IP20

Weight 500 g  
Material of enclosure Al + FeZn sheet  
Dimensions 66 x 89 x 138 mm  
Class of protection I.  
Pollution degree 2  
RoHS comply Yes

<b>Connection data</b>	<b>Input</b>	<b>Output</b>	<b>Battery</b>	<b>Other</b>
Number of terminals	3 (PE,L,N)	2 (+,-)	2(+,-)	4(COM,NO,T+,T-)
Wire cross-section				
Solid min/max	0,5/2,5 mm <sup>2</sup> 20/13 AWG	0,5/2,5 mm <sup>2</sup> 20/13 AWG	0,5/2,5 mm <sup>2</sup> 20/13 AWG	0,25/1,5 mm <sup>2</sup> 23/15 AWG
Flexible min/max	0,5/2,5 mm <sup>2</sup> 20/13 AWG	0,5/2,5 mm <sup>2</sup> 20/13 AWG	0,5/2,5 mm <sup>2</sup> 20/13 AWG	0,25/1,5 mm <sup>2</sup> 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 80 % RH  
Installation altitude <2000 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.