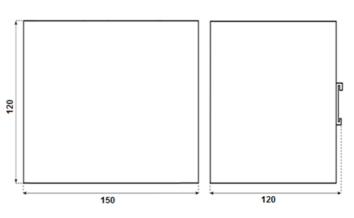


JSD-600-275/DIN_ODP





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 180-260 V AC
Frequency of input 47-120 Hz
Input current, DC max. 2,6 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 20 A max. (current limit - the sum of charging and output current)

Charging current 6 A max.(current limit +/- 10%)

Output power 550 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 (30 A)
Battery disconnect voltage 21 V (+/- 0.5 V) - protection against deep discharge

Recommended battery capacity from 18 Ah to 90 Ah

General Data

Efficiency, max. approx. 87 % Max. power loss (nominal load) approx. 80 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), 1,5 kV primary-frame

Insulation resistance $> 20 \text{ M}\Omega$



Cooling natural(free air)

IP code IP20 Weight 1700 g

Material of enclosure Al + FeZN sheet
Dimensions 150 x 120 x 120 mm

Class of protection I.
Pollution degree 2
RoHS comply Yes

Connection data	Input	Output	Battery	Other(including fuse monitor)
Number of terminals Wire cross-section	3 (PE,L,N)	4 (++,)	4(++,)	5(NO,COM,NC,T+,T-)
Solid min/max	0,5/2,5 mm ²	0,5/2,5 mm ²	0,5/2,5 mm ²	0,25/1,5 mm ²
	20/13 AWG	20/13 AWG	20/13 AWG	23/15 AWG
Flexible min/max	0,5/2,5 mm ²	0,5/2,5 mm ²	0,5/2,5 mm ²	0,25/1,5 mm ²
	20/13 AWG	20/13 AWG	20/13 AWG	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)

Failure LED red and relay changeover contact (connected COM, NC)

Remote monitoring Ethernet interface, WWW server, SNMP or MODBUS protocols

monitored quantities - voltage, current, temperature alarm messages - mains failure, charger failure, low battery

external alarm messages - equipment of external mains, battery and output fuses

(TTL signals AC, BATT, OUT to GND on the Fuse monitor connector)

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.