

# LS150 (19 inch, 1U, 350W)

# BACK UP POWER SUPPLIES

- ☑ Input voltage 230V~50Hz
- ☑ Output voltage 12V(25A), 24V(12.5A), 48V(6.25A) / 350W output power, PFC
- ☑ -30°C - + 60°C temperature range operation, boost / temperature controlled / 4-level battery charging
- ☑ LED, LCD display unit, 2x potential-free relay contacts, SNMP, WEB
- ☑ Mounting type: 19"/1U (44mm)
- ☑ Standards: Electrical safety - EN 60950, EMC - EN 61000-3-2, EN 55022



The LS150 backup power supply is designed for reverse supply 12V, 24V or 48V DC devices. The LS150 disposes with a converter built in the most advanced technology of the energy conversion with respect to maximum efficiency. The total power of the module is 350W.

In case of mains failure, the connected battery provides the backup supply of the connected load. After the mains powers up, the backup power supply ensures boost battery charging to its full capacity. The charging current can be set at 4-levels according to the connected battery. The charging voltage is thermally controlled. The output current can reach up to 41A and thereby the power supply can be used as an emergency lighting supply (24V type allows load up to 1kW and 48V up to 2kW)

LS150 are manufactured in 3 accessory sets:

- Basic – LS150.J – Equipped with local LED signalization, remote signalization (potential -free relay contacts)
- Extended – LS150.JE – Basic equipment + power supply management system
- SNMP – LS150.JS – Extended equipment + + SNMP adapter with WEB page

Designation “J” = 1x 230V~50Hz input

LS150 is designed for 19" rack mounting. Connection to the mains is through a flexible cable on the rear panel. All other connections are on the front panel. Terminals for battery and output allow wire connection up to 6mm<sup>2</sup>.

MODEL SPECIFICATION	LS150.J 1225 No display	LS150.J 2412 No display	LS150.J 4806 No display	LS150.JE 1225 With display	LS150.JE 2412 With display	LS150.JE 4806 With display	LS150.JS 1225 With display +SNMP	LS150.JS 2412 With display +SNMP	LS150.JS 4806 With display +SNMP
Input voltage	230V~50Hz, ±10%			230V~50Hz, ±10%			230V~50Hz, ±10%		
Output voltage	13.8V(25A)	27.6V(12.5A)	55.2V(6.25A)	13.8V(25A)	27.6V(12.5A)	55.2V(6.25A)	13.8V(25A)	27.6V(12.5A)	55.2V(6.25A)
Output power	350W			350W			350W		
Efficiency	92%	93%	94%	92%	93%	94%	92%	93%	94%
Insulation strength input / output	4kV			4kV			4kV		
Operating temperature	-30°C - +60°C			-30°C - +60°C			-30°C - +60°C		
Local signaling	LED			LED, LCD			LED, LCD		
Remote signaling	Relay contacts Mains failure, battery capacity < 1/2			Relay contacts Mains failure, battery capacity < 1/2			Relay contacts, SNMP Mains failure, battery capacity < 1/2		
Parallel operation	No			No			No		
Air flow / Overtmp. protection	Controlled / Yes			Controlled / Yes			Controlled / Yes		
Battery charge current	4A, 6A, 16A, 25A	2A, 3A, 8A, 12A	1A, 1.5A, 4A, 6A	4A, 6A, 16A, 25A	2A, 3A, 8A, 12A	1A, 1.5A, 4A, 6A	4A, 6A, 16A, 25A	2A, 3A, 8A, 12A	1A, 1.5A, 4A, 6A
LVD (low voltage disconnect)	<10.5V	<21V	<42V	<10.5V	<21V	<42V	<10.5V	<21V	<42V
Dimensions W x H x D (mm)	436x44.5x180			436x44.5x180			436x44.5x180		
Weight (kg)	1.7kg			1.7kg			1.8kg		
Degree of protection	IP20			IP20			IP20		
Part No.	IP.4131.768.64	IP.4131.768.65	IP.4131.768.66	IP.4131.768.67	IP.4131.768.68	IP.4131.768.69	IP.4131.768.70	IP.4131.768.71	IP.4131.768.72