

LS150 (19 inch, 1U, 350W) – 2 output voltages

BACK UP POWER SUPPLIES

- ☒ Input voltage 230V~50Hz
- ☒ Output voltages 24V(12.5A) and 48V(3A) / 350W output power, PFC
- ☒ -30°C - + 60°C temperature range operation, boosts/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 with two output voltages is designed for reverse supply +24V and -48V DC devices with common ground. It disposes with a converter built in the most advanced energy conversion technology with respect to maximum efficiency. The total output power of the module is 350W.

In case of AC power 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 can be used as an emergency lighting supply (24V type allows loads up to 1kW)

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 + power supply management system
- SNMP - LS150.JS - Extended + SNMP adapter with WEB page

Designation "J" = 1x input 230V~50Hz

LS150 is designed for 19" rack mounting. Connection to the mains is through flexible cable on the rear panel. All other connections are on the front panel. Terminals for battery and output allow wire connection up to 6mm².

MODEL SPECIFICATION	LS150.J 24481202 No display	LS150.JE 24481202 With display	LS150.JS 24481202 With display + SNMP	LS150.J 24481203 No display	LS150.JE 24481203 With display	LS150.JS 24481203 With display + SNMP
Input voltage	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
Output voltage	+27.6V(12.5A); -48V(2A)	+27.6V(12.5A); -48V(2A)	+27.6V(12.5A); -48V(2A)	+27.6V(12.5A); -48V(3A)	+27.6V(12.5A); -48V(3A)	+27.6V(12.5A); -48V(3A)
Output power	350W	350W	350W	350W	350W	350W
Efficiency	93% / +27.6V; 91% / -48V	93% / +27.6V; 91% / -48V	93% / +27.6V; 91% / -48V	93% / +27.6V; 91% / -48V	93% / +27.6V; 91% / -48V	93% / +27.6V; 91% / -48V
Insulation strength in / output	4kV	4kV	4kV	4kV	4kV	4kV
Operating temperature	-30°C - +60°C	-30°C - +60°C	-30°C - +60°C	-30°C - +60°C	-30°C - +60°C	-30°C - +60°C
Local signaling	LED	LED, LCD	LED, LCD	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 Mains failure, battery capacity < 1/2 SNMP	Relay contacts Mains failure, battery capacity < 1/2	Relay contacts Mains failure, battery capacity < 1/2	Relay contacts Mains failure, battery capacity < 1/2 SNMP
Parallel operation	No	No	No	No	No	No
Air flow / Overtemp. protection	Controlled / Yes	Controlled / Yes	Controlled / Yes	Controlled / Yes	Controlled / Yes	Controlled / Yes
Battery charge current	2A, 3A, 8A, 12.5A	2A, 3A, 8A, 12.5A	2A, 3A, 8A, 12.5A	2A, 3A, 8A, 12.5A	2A, 3A, 8A, 12.5A	2A, 3A, 8A, 12.5A
LVD (low voltage disconnect)	<21V	<21V	<21V	<21V	<21V	<21V
Dimensions W x H x D (mm)	436x44.5x180	436x44.5x180	436x44.5x180	436x44.5x180	436x44.5x180	436x44.5x180
Weight (kg)	1.8kg	1.8kg	1.8kg	1.8kg	1.8kg	1.8kg
Degree of protection	IP20	IP20	IP20	IP20	IP20	IP20
Part No.	IP.4132.768.79	IP.4132.768.75	IP.4132.768.76	IP.4132.768.82	IP.4132.768.83	IP.4132.768.84