

- ☑ Input voltage 230V~50Hz, PFC
- ☑ Output voltage +24V, -48V / 150W
- ☑ -30°C - + 60°C, boost, temperature compensated battery charging, battery capacity (autonomy) test
- ☑ SNMP with WEB page, NTP server, e-mail server, IP watchdog with auto restart
- ☑ Mounting type: DIN rail
- ☑ Standards: Electrical safety - EN 60950, EMC - EN 61000-3-2, EN 55022



The backup power supply of LS110 type with 1 (2) output voltages is designed for rack mount reverse supply +24V, -48V. It disposes with a converter built in most advanced technology of the energy conversion with respect to maximum efficiency. The total output power is 150W. In case of mains failure, the connected 24V(48V) battery provides the backup supply of connected load. After the mains powers up, the backup power supply ensures boost battery charging to its full capacity. The charging voltage is thermally compensated.

LEDs on the front panel inform about the mains status, output voltages status, boost charging mode and battery condition. Remote signaling indicates mains failure and battery condition < 1/2. The SNMP agent with its own WEB page sends traps and e-mails and informs about the whole power system status. It allows monitoring up to two binary inputs and it can control two independent relays (watchdog of 2x IP address, manual ON/OFF or any power supply failure). You can execute battery capacity test manually or scheduled.

The power source is designed for DIN rail mounting. The 3-wire input plug allows connection with wire cross-section up to 2.5 mm<sup>2</sup>. Outputs, relays, battery and power source signaling plug allow connection with wire cross-section up to 2.5 mm<sup>2</sup>.

MODEL SPECIFICATION	LS110.H 1210	LS110.HS 1210 SNMP	LS110.H 2405	LS110.HS 2405 SNMP	LS110.H 48025	LS110.HS 48025 SNMP	LS110.H 24480502	LS110.HS 24480502 SNMP	LS110.H 24480502R	LS110.HS 24480502R SNMP
Input voltage	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
Output voltage	13.8V(10A)	13.8V(10A)	27.6V(5A)	27.6V(5A)	55.2V(2.5A)	55.2V(2.5A)	+27.6V(5A) -48V(2A)	+27.6V(5A) -48V(2A)	+27.6V(5A) +48V(2A)	+27.6V(5A) +48V(2A)
Output power	150W	150W	150W	150W	150W	150W	150W/100W	150W/100W	150W/100W	150W/100W
Efficiency	93%	93%	93%	93%	93%	93%	93% / 27.6V 91% /48V	93% / 27.6V 91% /48V	93% / 27.6V 91% /48V	93% / 27.6V 91% /48V
Insulation strength input / output	4kV									
Operating temperature	-30°C - +60°C									
Local signaling	LED	LED, SNMP	LED	LED, SNMP	LED	LED, SNMP	LED	LED, SNMP	LED	LED, SNMP
Remote signaling	Mains failure, battery capacity < 1/2									
Parallel operation	No									
Air flow / Overtemperature protection	Convection / 85°C									
Battery charge current	4A	4A	2A	2A	2A	2A	2A	2A	2A	2A
LVD (low voltage disconnect)	10.5V / 10A	10.5V /10A	21V / 5A	21V / 5A	42V / 2.5A	42V /2. 5A	21V / 5A	21V / 5A	21V / 5A	21V / 5A
Dimensions WxHxD (mm)	60 x 128 x 134	100 x 128 x 134	60 x 128 x 134	100 x 128 x 134	60 x 128 x 134	100 x 128 x 134	100 x 128 x 134	100 x 128 x 134	100 x 128 x 134	100 x 128 x 134
Weight (kg)	0.7kg	0.8kg	0.7kg	0.8kg	0.7kg	0.8kg	0.8kg	0.9kg	0.8kg	0.9kg
Degree of protection										
Part No.	IP.4131.633.35	IP.4131.633.34	IP.4131.633.16	IP.4131.633.15	IP.4131.633.36	IP.4131.633.37	IP.4132.633.11	IP.4132.633.10	IP.4132.633.18	IP.4132.633.17