

# LS110.JS (19" 1U, 280W), SNMP, 2x PoE 1Gb

# BACKUP POWER SUPPLY WITH PoE

- ☑ Input voltage 230V~50Hz, PFC
- ☑ Output voltage +24V, -48V, DC/DC converter 100W for to supply devices with 100-230V~50/60Hz
- ☑ 2x passive PoE 1Gb 83W with overvoltage protection
- ☑ -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: 19" / 1U
- ☑ Standards: Electrical safety - EN 60950, EMC - EN 61000-3-2, EN 55022



The backup power supply of LS110 type with 1 (2, 3) output voltages is designed for rack mount reverse supply +24V, -48V and devices up to 100W with supply voltage 100-230VAC. It contains 2 passive PoE 1Gb 83W modules. It disposes with a converter built in most advanced technology of the energy conversion with respect to maximum efficiency. The total output power is 280W. 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 addresses, manual ON/OFF or any power supply failure). You can execute battery capacity test manually or scheduled.

The LS110 is 1 unit high and is designed for rack mount. Connection to the mains is through flexible cable on the rear. Plug for devices up to 100W with supply voltage 100-230VAC is also on the rear. All other connections, Ethernet, LAN and PoE RJ45 connections are on the front. Extra grounding terminal is through a screw on the rear.

To set a PoE mode - A, B or A+B and the operation voltage (24V or 48V) is possible via jumpers on the top for each PoE modul separately. The mode and supply voltage settings is indicated via LEDs. LAN input and PoE output is overvoltage protected.

MODEL SPECIFICATION	LS110.JS 2410 PoE(2x) SNMP, WEB, 2xPoE	LS110.JS 4805 PoE(2x) SNMP, WEB, 2xPoE	LS110.JS 48240504 PoE(2x) SNMP, WEB, 2xPoE	LS110.JS 2448150100201 PoE(2x) SNMP, WEB, 2xPoE	LS110.JS 2448150100301 PoE(2x) SNMP, WEB, 2xPoE	LS110.JS 48240504 PoE(2x) SNMP, WEB, 2xPoE
Input voltage	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
Output voltage	+27.6V(10A)	+55.2V(5A)	-55.2V(5A); +24V(4A)	+27.6V(10A); -48V(2A) 150V(0.6A)	+27.6V(10A); -48V(3A) 150V(0.6A)	-55.2V(5A); +24V(4A)
A, B, A+B - PoE	2x 1Gbps / 1.4A	2x 1Gbps / 1.4A	1x 1Gbps / 1.4A	2x 1Gbps / 1.4A	2x 1Gbps / 1.4A	2x 1Gbps / 1.4A
Output power	280W	280W	280W	280W	280W	280W/100W
Efficiency	93%	91%	93%	93%	93%	93%
Dielectric strength in/out	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, SNMP, WEB	LED, SNMP, WEB	LED, SNMP, WEB	LED, SNMP, WEB	LED, SNMP, WEB	LED, SNMP, WEB
Remote signaling	Mains failure Battery capacity is <1/2	Mains failure Battery capacity is <1/2	Mains failure Battery capacity is <1/2	Mains failure Battery capacity is <1/2	Mains failure Battery capacity is <1/2	Mains failure Battery capacity is <1/2
Cooling /Overtemp. protection	Temp.controlled / 85°C	Temp.controlled / 85°C	Temp.controlled / 85°C	Temp.controlled / 85°C	Temp.controlled / 85°C	Temp.controlled / 85°C
Battery/charging current	24V / 2A	48V / 2A	48V / 2A	24V / 2A	24V / 2A	2A
LVD	21V / 10A	42V / 5A	42V / 5A	21V / 10A	21V / 10A	42V / 5A
Dimensions WxHxD (mm)	436 x 45 x 150 mm	436 x 45 x 150 mm	436 x 45 x 150 mm	436 x 45 x 150 mm	436 x 45 x 150 mm	436 x 45 x 150 mm
Weight	1,5kg	1,5kg	1,65kg	1,7kg	1,7kg	1,7kg
Degree of protection	IP20	IP20	IP20	IP20	IP20	IP20
Part No.	IP.4131.763.109	IP.4131.763.110	IP.4133.763.123	IP.4134.763.111	IP.4134.763.115	IP.4133.763.123