

- ☑ Input voltage 230V~50Hz, PFC
- ☑ Output voltage +24V, -48V / 280W
- ☑ -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 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 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 mm². Outputs, relays, battery and power source signaling plug allow connection with wire cross-section up to 2.5 mm².

| MODEL SPECIFICATION | LS110.H 2410 | LS110.HS 2410 SNMP | LS110.H 4805 | LS110.HS 4805 SNMP | LS110.H 24481002 | LS110.HS 24481002 SNMP |
|---------------------------------------|---|---|---|---|---|---|
| Input voltage | 230V~50Hz | 230V~50Hz | 230V~50Hz | 230V~50Hz | 230V~50Hz | 230V~50Hz |
| Output voltage | 27.6V(10A) | 27.6V(10A) | 55.2V(5A) | 55.2V(5A) | +27.6V(10A) -48V(2A) | +27.6V(10A) -48V(2A) |
| Output power | 280W | 280W | 280W | 280W | 280W/100W | 280W/100W |
| Efficiency | 93% | 93% | 93% | 93% | 93% / 27.6V 91% /48V | 93% / 27.6V 91% /48V |
| Insulation strength input / 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, SNMP | LED | LED, SNMP | LED | LED, SNMP |
| Remote signaling | Mains failure battery capacity < 1/2 | Mains failure battery capacity < 1/2 | Mains failure battery capacity < 1/2 | Mains failure battery capacity < 1/2 | Mains failure battery capacity < 1/2 | Mains failure battery capacity < 1/2 |
| Parallel operation | No | No | No | No | No | No |
| Air flow / Overtemperature protection | Convection / 85°C | Convection / 85°C | Convection / 85°C | Convection / 85°C | Convection / 85°C | Convection / 85°C |
| Battery charge current | 2A | 2A | 2A | 2A | 2A | 2A |
| LVD (low voltage disconnect) | 21V / 10A | 21V / 10A | 42V / 5A | 42V / 5A | 21V / 10A | 21V / 10A |
| Dimensions WxHxD (mm) | 60 x 128 x 134 mm | 100 x 128 x 134 mm | 60 x 128 x 134 mm | 100 x 128 x 134 mm | 100 x 128 x 134 mm | 100 x 128 x 134 mm |
| Weight (kg) | 0.8kg | 0.9kg | 0.8kg | 0.8kg | 0.9kg | 0.9kg |
| Degree of protection | IP20 | IP20 | IP20 | IP20 | IP20 | IP20 |
| Part No. | IP.4131.633.93 | IP.4131.633.94 | IP.4131.633.95 | IP.4131.633.96 | IP.4132.633.97 | IP.4132.633.98 |