

LS110.T (Desktop, 150W / 280W)

BATTERY CHARGERS

- ☑ Input voltage 230V ~ 50 / 60Hz
- ☑ Active PFC, LLC resonant converter, -30°V ÷ +60°C
- ☑ Charging curve IUoU temperature controlled
- ☑ Output power 150W / 280W
- ☑ Signaling – LED – boost / float charging
- ☑ Mounting type: Desktop design
- ☑ Standards: EN 60950, EN 61000-3-2, EN 55032



Battery chargers type LS110.T is used to charge lead acid batteries with 12V, 24V or 48V. LS110.T disposes with a PFC and LLC resonant converter built in the most advanced energy conversion technology with respect to maximum efficiency. IUoU charging curve is temperature compensated to maximize the battery life. The LS110 is produced in power ranges from 150W to 280W.

LED on the front panel indicates the boost and float charging.

Model specification:

- LS110.T XXY – T = desktop model, XX = output voltage, YY = max. output current.

The LS110.T input contains power cord to connect to the mains. There are two plug connectors to connect the battery and the temperature sensor. Both are to be connected by cables with a wire cross-section up to 2.5mm²

MODEL SPECIFICATIONS	LS110.T 1210 13.8V/10A	LS110.T 2405 27.6V/5A	LS110.T 2410 27.6V/10A	LS110.T 48025 55.2V/2.5A	LS110.T 4805 55.2V/5A
Input voltage	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz	230V~50Hz
Charging voltage / current	14.4V/13.8V(10A)	28.8V/27.6V(5A)	28.8V/27.6V(10A)	57.6V/55.2V(2.5A)	57.6V/55.2V(5A)
Output power	150W	150W	280W	150W	290W
Efficiency	92%	92%	92%	92%	92%
Dielectric strength input/output	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
Local signaling	LED - Boost / float charging	LED - Boost / float charging	LED - Boost / float charging	LED - Boost / float charging	LED - Boost / float charging
Battery voltage (Lead acid)	12V / 30Ah _{min}	24V / 15Ah _{min}	24V / 30Ah _{min}	48V / 9Ah _{min}	48V / 15Ah _{min}
Cooling	Forced	Forced	Forced	Forced	Forced
Temperature compensation	-17mV / °C / battery	-33mV / °C / battery	-33mV / °C / battery	-66mV / °C / battery	-66mV / °C / battery
Dimensions W x H x D (mm)	130 x 60 x 170mm	130 x 60 x 170mm	130 x 60 x 170mm	130 x 60 x 170mm	130 x 60 x 170mm
Weight (kg)	0.6kg	0.6kg	0.7kg	0.6kg	0.7kg
Degree of protection	IP20	IP20	IP20	IP20	IP20
Part No.	IP.2131.423.62	IP.2131.423.67	IP.2131.423.63	IP.2131.423.62	IP.2131.423.67