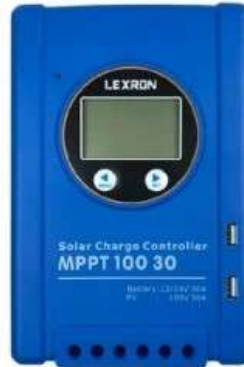


MPPT CHARGE CONTROL DATASHEET 20/30/40 A



| MODELS | LXR-MPPT-120D | LXR-MPPT-130D | LXR-MPPT-140D |
|---------------------------------|--|-------------------------|-------------------------|
| System Voltage | 12/24 V | 12/24 V | 12/24 V |
| Max Operating Current | 20A | 30A | 40A |
| Max. Input Voltage of PV | <60V | <100V | <100V |
| Charge Voltage | 13,8 / 27,6V | 13,8 / 27,6V | 13,7 / 27,6V |
| Low Voltage Protection | 10,8 / 21,6V | 10,8 / 21,6V | 10,8 / 21,6V |
| Size (mm) | 180x123x50 | 219x146x70 | 219x146x70 |
| Weight (gr) | 800 | 1300 | 1300 |
| Terminal Wiring | 10mm ² /7AWG | 16mm ² /5AWG | 16mm ² /5AWG |
| Rated Discharge Current | 10A | 20A | 20A |
| Battery Type | User default, Sealed, Flooded, GEL, LiFePO ₄ , Li(NiCoMn)O ₂ | | |
| Duration of absorption charging | 2hs | | |
| Duration of absorption charging | 2hs | | |
| Protection class | IP30 | | |
| Grounded type | Positive grounded | | |

Important Safety Information

- It is better to install the controller in the room. If installed the controller outside; please keep the environment dry, avoid direct sunlight.
- The controller will be hot in process of working, please keep the environment ventilation, away from flammable.
- The open circuit voltage of solar panel is to high, (especially 24V system), please take care.
- The battery has acidic electrolysis, please put on goggles during installation. If you accidentally exposed to the electrolysis, please rinse with water.
- The battery has huge power, prohibit any conductor short circuit the positive and negative pole.

ENVIRONMENT

| | |
|-----------------------|--|
| Humidity | 5% to 95% Relative Humidity (Non - condensing) |
| Operating Temperature | -20°C - +55°C |
| Storage Temperature | -30°C - +80°C |