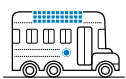


Overview

LS-LPLW series is PWM solar charge controller that combines solar charge controller and LED constant current driver into one unit. It has multiple load control modes which are ideal for various solar LED Lighting applications, especially when a dimming function is needed. It adopts the 2.4G wireless communication method, to enable cross-obstacle communication when the controller is installed inside the LED lamp or the lighting pole.

Features

- 2.4G wireless communication design
- PWM charging mode
- Support lead-acid and lithium-ion batteries
- Lithium battery self-activating function
- Intelligent power derating to ensure 365 days lighting on
- Multiple load control modes (Including midnight working mode)
- Ultra-low power consumption mode (4mA)
- Customizing parameter by password verify
- Automatic load test feature during installation
- IP68 protection class (1.5 meters, 72h)



Solar Car



Solar Home



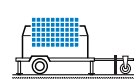
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

Technical Specifications

| Model | LS101260LPLW | LS2024120LPLW |
|---------------------------------|--|----------------------------------|
| Nominal system voltage | 12VDC | 12/24VDC Auto |
| Battery type | Lead-acid (Sealed/Gel/Flooded)/Lithium (LiFePO ₄ /Li(NiCoMn)O ₂)/User | |
| Battery input voltage range | 9V ~ 16V | 9V ~ 32V |
| Rated charge current | 10A | 20A |
| Max. output power | 60W | 60W/12V 120W/24V |
| Max. PV open circuit voltage | 30V | 50V |
| Max. output current | 4.0A | 4.0A |
| Output voltage range | (Max. Battery Voltage +2V) ~ 60V | (Max. Battery Voltage +2V) ~ 60V |
| Maximum output efficiency | 96% | 96% |
| Output current control accuracy | ≤30mA | ≤30mA |
| Equalization voltage | Sealed:14.6V,Flooded:14.8V,User-defined:9-17V | |
| Boost voltage | Gel:14.2V,Sealed:14.4V,Flooded:14.6V,User-defined:9-17V | |
| Float voltage | Gel/Sealed/Flooded:13.8V,User-defined:9-17V | |
| Low voltage reconnect voltage | Gel/Sealed/Flooded:12.6V,User-defined:9-17V | |
| Low voltage disconnect voltage | Gel/Sealed/Flooded:11.1V,User-defined:9-17V | |
| Self-consumption | ≤19mA(12V); ≤35mA(24V) | ≤19mA(12V); ≤35mA(24V) |
| Enclosure | IP68(1.5m,72h) | IP68(1.5m,72h) |
| Communication interface | 2.4G | 2.4G |
| Operating temperature range | -40°C ~ +55°C | -40°C ~ +55°C |
| Dimensions(LxWxH)(mm) | 87x63x24.8 | 108.5x118x25.6 |
| Net Weight | 0.20kg | 0.40kg |