

## 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



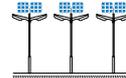
Solar Home



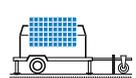
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

Model	LS101260LPLW	LS2024120LPLW
Nominal system voltage	12VDC	12/24VDC Auto
Battery type	Lead-acid (Sealed/Gel/Flooded)/Lithium (LiFePO <sub>4</sub> /Li(NiCoMn)O <sub>2</sub> )/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