

## Overview

LandStar series is for off-grid solar system, such as home system, traffic system, CCTV system, street light, garden lights, parking area, and bus station. It adopts the most advanced digital technique and operates fully automatically. The Pulse Width Modulation (PWM) battery charging can greatly increase the lifetime of battery.



## Features

- High efficient Series PWM charging
- Use MOSFET as electronic switch
- Gel, Sealed and Flooded battery type option
- Widely used, automatically recognize day/night
- Intelligent timer function with 1-15 hours option
- Temperature compensation
- LED indicators indicate battery voltage state



Solar Car



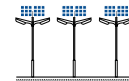
Solar Home



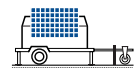
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

## Technical specifications

Model	LS0512R	LS1024R	LS1024S	LS2024R	LS2024S
Rated system voltage	12V	12/24VDC 自动识别			
Rated charge current	5A	10A	10A	20A	20A
Rated discharge current	5A	10A	10A	20A	20A
Max. PV open circuit voltage	30V	50V			
Equalize charging voltage※	Sealed: 14.6V, Flooded: 14.8V				
Boost charging voltage※	Gel: 14.2V, Sealed: 14.4V, Flooded: 14.6V				
Float charging voltage※	13.8V				
Low voltage reconnect voltage※	12.6V				
Low voltage disconnect voltage※	11.1V				
Self-consumption	≤6mA				
Grounding	Common positive				
Temperature compensate coefficient	-5mV/°C/2V				
Enclosure	IP30				
Working environment temperature	-35°C~+55°C				
Dimension	97×66×25mm	140×65×34mm	120×68×40mm	144×75×45mm	128×87×48mm
Net weight	0.05kg	0.15kg	0.15kg	0.25kg	0.25kg

※ Technical data for 12V system at 25°C, twice in 24V system