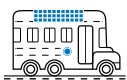


## Overview

The LandStar E/EU series controller is a PWM charge controller that adopts the most advanced digital technique. It's an easy operation and cost-efficient controller

## Features

- 3-Stage intelligent PWM charging: Bulk, Boost/Equalize, and Float
- Support 3 charging options: Sealed, Gel, and Flooded
- Battery status LED indicator indicates battery situation
- Battery temperature compensation function
- With humanized settings, the operation is more comfortable and convenient
- The USB provides a power supply that can charge electronic equipment(LS EU series only)
- Battery type and load output can be set via the button
- Extensive Electronic protection



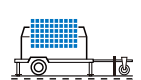
Solar Car



Solar Home



Solar Boat



Solar Power Generator

## Technical Specifications

Item	LS0512E	LS1012E	LS1024E	LS2024E	LS0512EU	LS1012EU	LS1024EU	LS2024EU	LS3024EU
Nominal system voltage	12VDC		12/24VDC Auto		12VDC		12/24VDC Auto		
Rated charge current	5A	10A		20A	5A	10A		20A	30A
Rated discharge current	5A	10A		20A	5A	10A		20A	30A
Battery input voltage range	8V~16V		8V~32V		8V~16V		8V~32V		
Max. PV open circuit voltage	30V		50V		30V		50V		
Self-consumption	12V ≤ 5mA; 24V ≤ 7mA								
Charge Circuit Voltage Drop	≤ 0.21V				≤ 0.13V				
Discharge Circuit Voltage Drop	≤ 0.12V				≤ 0.17V				
USB input interface	—				5VDC/1.2A				5VDC/2A
Temperature compensation coefficient	-5mV/°C/2V								
Environment temperature	-35°C ~ +50°C								
Humidity	≤ 95%(N.C.)								
Enclosure	IP30				IP20				
Grounding	Common Positive								
Dimension(L x W x H)	92.8x65 x20.2mm	101.2x67 x21.8mm	101.2x67 x21.8mm	128x85.6 x34.8mm	109.7x65.5 x20.8mm	120.3x67 x21.8mm	120.3x67 x21.8mm	148x85.6 x34.8mm	148x106.8 x43.7mm
Mounting size	84.4mm	92.7mm	92.7mm	118mm	100.9mm	111.5mm		138mm	
Mounting hole size	Φ 4.5								
Terminals	14AWG/2.5mm <sup>2</sup>	12 AWG/4mm <sup>2</sup>	12AWG/4mm <sup>2</sup>	10AWG/6mm <sup>2</sup>	14AWG/2.5mm <sup>2</sup>	12AWG/4mm <sup>2</sup>	12AWG/4mm <sup>2</sup>	10AWG/6mm <sup>2</sup>	8AWG/10mm <sup>2</sup>
Net weight	0.07kg	0.08kg	0.08kg	0.15kg	0.09kg	0.10kg	0.10kg	0.18kg	0.29kg