

## Overview

LS-E(EU) series is a reliable, stable, and economical solar charge controller, easy to operate. Based on the LS-E series, the LS-EU series adds a +5V/1.2A USB terminal output which can charge mobile phones, power DC fans, and other DC electronic devices.

## Features

- Series PWM charging mode
- LED indicator indicates battery situation
- Battery temperature compensation function
- Extensive electronic protection
- USB ports available (LS-EU series only)
- User-friendly design buttons
- Industrial quality standard design



Solar Car



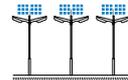
Solar Home



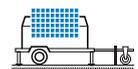
Solar Backpack



Solar Boat



Solar Street Light



Solar Power Generator

# Technical Specifications

Model	LS1024E	LS2024E	LS0512EU	LS1012EU	LS1024EU	LS2024EU	LS3024EU
Nominal system voltage	12/24VDC Auto	12/24VDC Auto	12VDC	12VDC	12/24VDC Auto	12/24VDC Auto	12/24VDC Auto
Battery type	Sealed(Default)/Gel/Flooded						
Battery input voltage range	8 ~ 32V	8 ~ 32V	8 ~ 16V	8 ~ 16V	8 ~ 32V	8 ~ 32V	8 ~ 32V
Rated charge current	10A	20A	5A	10A	10A	20A	30A
Rated discharge current	10A	20A	5A	10A	10A	20A	30A
Max. PV open circuit voltage	50V	50V	30V	30V	50V	50V	50V
Equalization voltage	Sealed:14.6V,Flooded:14.8V						
Boost voltage	Gel:14.2V,Sealed:14.4V,Flooded:14.6V						
Float voltage	Gel/Sealed/Flooded:13.8V						
Low voltage reconnect voltage	Gel/Sealed/Flooded:12.6V						
Low voltage disconnect voltage	Gel/Sealed/Flooded:11.1V						
Self-consumption	12V≤5mA; 24V≤7mA						
Temperature compensation	-5mV/°C/2V						
Relative humidity	≤95%,(N.C.)						
Enclosure	IP30	IP30	IP20	IP20	IP20	IP20	IP20
Grounding	Common Positive						
Operating temperature range	-35°C ~ 50°C						
Dimensions(LxWxH)(mm)	101.2×67×21.8	128×85.6×34.8	109.7×65.5×20.8	120.3×67×21.8	120.3×67×21.8	148×85.6×34.8	148×106.8×43.7
Weight	0.08kg	0.15kg	0.09kg	0.10kg	0.10kg	0.18kg	0.29kg