

# LandStar E/EU series Solar Charge Controller



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.



Model:

LS0512E LS0512EU

LS1012E LS1012EU

LS2024E LS2024EU

LS1024E LS1024EU

LS3024EU

## Features

- 3-Stage intelligent PWM charging: Bulk, Boost/Equalize, Float
- Support 3 charging options: Sealed, Gel, and Flooded
- Battery status LED indicator can indicate battery situation
- Battery temperature compensation function

- With humanized settings, operation will be more comfortable and convenient
- The USB will provide power supply that can charge for electronic equipment (**LS EU series only**)
- Battery type and load output can be set via button
- Extensive Electronic protection



## Protection

- Battery Over Voltage Protection
- Battery Over Discharge Protection
- Load Overload Protection
- Load Short Circuit Protection

## Specifications

Item	LS0512 E	LS1012 E	LS1024 E	LS2024 E	LS0512 EU	LS1012 EU	LS1024 EU	LS2024 EU	LS3024 EU
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								
Working environment temperature	-35°C ~ +55°C								
Humidity	≤95%,(N.C.)								
Enclosure	IP30				IP20				
Grounding	Common Positive								
Overall dimension(mm)	92.8x65x20.2	101.2x67x21.8	101.2x67x21.8	128x85.6x34.8	109.7x65.5x20.8	120.3x67x21.8	120.3x67x21.8	148x85.6x34.8	148x106.8x43.7
Mounting dimension(mm)	84.4	92.7	92.7	118	100.9	111.5		138	
Mounting hole size	Φ4.5								
Terminals	14AWG/2.5mm <sup>2</sup>	12AWG/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

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