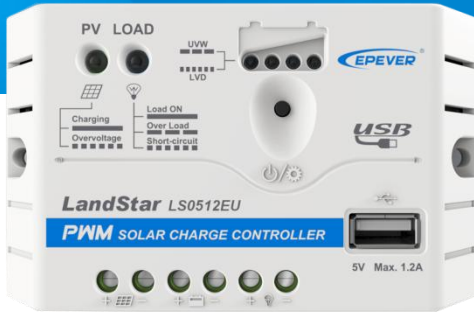


# LandStar E/EU series Solar Charge Controller



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)	92.8x65 x20.2	101.2x 67 x21.8	101.2x 67 x21.8	128x85. 6 x34.8	109.7x 65.5 x20.8	120.3x 67 x21.8	120.3x 67 x21.8	148x 85.6 x34.8	148x 106.8 X43.7
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/1 0mm <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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