

MPPT Solar Charge Controller

LS-E series



LS-E series is reliable, stable, and economical solar charge controller, easy for operation.



Models:

LS0512E 5A,12V

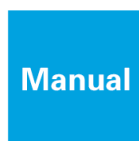
LS1012E 10A,12V

LS1024E 10A,12/24V auto work

LS2024E 20A,12/24V auto work

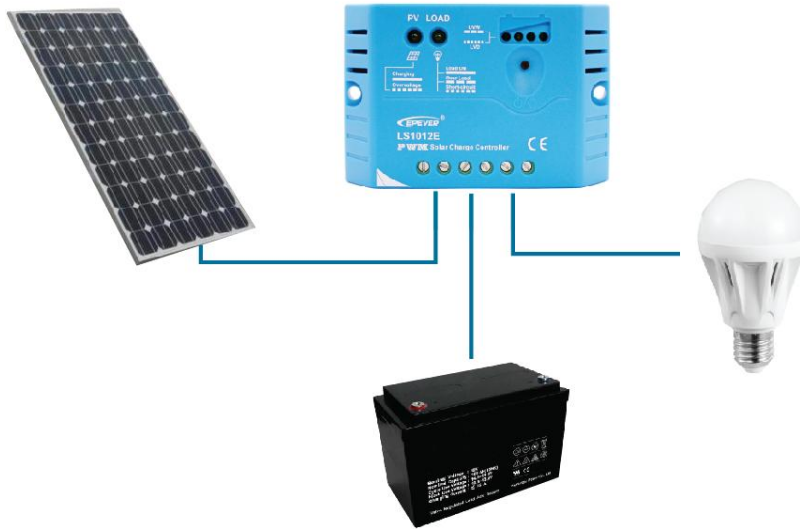
Features:

- PWM charging
- Use MOSFET as electronic switch
- Intuitive LED indicators showing battery voltage status
- Battery type selection: Gel, Sealed, and Flooded
- Manual control the output of the load
- Temperature compensation
- Industrial grade design



Electronic protections:

- Load overload protection
- Battery over discharge protection
- Load short circuit protection
- Battery reverse polarity protection



Technical specifications:

CE RoHS

Model	LS0512E	LS1012E	LS1024E	LS2024E
Nominal system voltage	12VDC		12/24VDC	
Rated charge current	5A	10A	10A	20A
Rated discharge current	5A	10A	10A	20A
Max. PV open circuit voltage	30V		50V	
Equalize charging voltage*	Gel: ----, Sealed: 14.6V, Flooded: 14.8V			
Boost charging voltage*	Gel: 14.2V, Sealed: 14.4V, Flooded: 14.6V			
Float charging 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	≤6mA			
Temperature compensation coefficient	-5mV/°C/2V (25°C)			
Grounding	Common positive			

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



Model	LS0512E	LS1012E	LS1024E	LS2024E
Overall dimension(mm)	92.8x65x20.2	101.2x67x21.8	101.2x67x21.8	128x85.6x34.8
Terminal	14AWG(2.5mm ²)	12AWG(4mm ²)	12AWG(4mm ²)	10AWG(6mm ²)
Net Weight	0.07kg	0.08kg	0.08kg	0.15kg
Enclosure	IP30			
Working environment temperature	-35°C ~ +55°C			
Relative humidity	≤95% (N.C.)			



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