

# LandStar Series Solar Charge Controller



LandStar series solar light controller that adopts the most advanced digital technique and operates fully automatically. The Pulse Width Modulation (PWM) battery charging can greatly increase the lifetime of battery.

### **Application:**

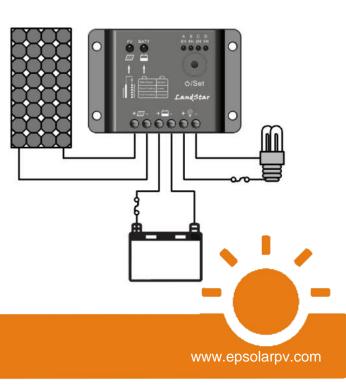
Ideal for small off-grid solar lighting system that needs light and timer control.

- ★ Solar street lights
- ★ Solar garden lights
- ★ Solar detection equipment at night



#### Features:

- High efficient Series PWM charging
- LED indicators indicate battery status
- Widely used, automatically recognize day/night
- Intelligent timer function with 1-12 hours option
- Use MOSFET as electronic switch
- Temperature compensation
- Electronic protection: over charging, over discharging, overload, and short circuit
- Battery reverse polarity protection



## **R**SOLAR

www.epsolarpv.com

### LandStar Series Solar Controller

Electrical Parameters	LS0512R	
Nominal System Voltage	12 VDC	
Max. Battery Voltage	16V	
Rated Battery Current	5A	
Charge Circuit Voltage Drop	≤0.26V	
Discharge Circuit Voltage Drop	≤0.15V	
Self-consumption	≤6mA	

### Battery Voltage Parameters (temperature at 25℃)

Battery type	Sealed		
Equalize Charging Voltage	14.6V		
Boost Charging Voltage	14.4V		
Float Charging Voltage	13.8V		
Low Voltage Reconnect Voltage	12.6V		
Low Voltage Disconnect Voltage	11.1V		
Equalize Duration	2 hours		
Boost Duration	2 hours		

Environmental parameters		Mechanical Parameters	
Working temperature	-35℃ to +55℃	Overall dimension	97mm x 66mm x 25mm
Storage temperature	<b>-35</b> ℃ to +80℃	Mounting dimension	86mm x 44mm
Humidity	10%-90% NC	Terminal	2.5mm <sup>2</sup>
Enclosure	IP30	Net weight	0.05kg



BEIJING EPSOLAR TECHNOLOGY CO.,LTD. Add: BLDG #18, CO.PARK ,NO.8 HEYING ROAD , CHANGPING DISTRICT, BEIJING, CHINA Tel: 010-82894962 / 82894112 Fax: 010-82894882 E-mail: info@epsolarpv.com