

## LandStar series

LS1024R/LS1524R/LS2024R

Application:

Public lighting area, such as street light, path way,  
garden lights, parking area, bus station etc.,

Load work mode: Dusk to Dawn, Light On+dual timer, Test, ON/OFF

Intelligent timer function with 1-15 hours option

Unique dual timer function, enhance the flexibility of street light system.

- Intelligent System Optimum Control
- High efficient Series PWM charging with temperature compensation
- Compact size
- Use MOSFET as electronic switch, without any mechanical switch
- Digital LED menu, only one key solve all setting simply
- Load status display
- Gel, Sealed and Flooded battery type option
- Big terminals and big distance between terminals (10A/6 mm<sup>2</sup>, 15A, 20A/10 mm<sup>2</sup>)
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- Reverse polarity protection: Any combination of solar module and battery

Model	LS1024R	LS1524R	LS2024R
Rated Current	10A	15A	20A
System Voltage	12/24V auto work		
Over Load Protection	1.25 times of rated current for 60 seconds, or 1.5 times for 5 seconds		
Short Circuit Protection	3.5 times of rated current		
Self-consumption	Max.6mA		
Working Temperature	-35°C to +55°C industrial		
Equalize Charging Voltage	14.6V;x2/24V		
Boost Charging Voltage	14.4V;x2/24V		
Float Charging Voltage	13.8V;x2/24V		
Boost Reconnect Charging Voltage	13.2V;x2/24V		
Temperature Compensation	-30mV/°C/12V		
Under Voltage Warning Voltage	12.0V;x2/24V		
Low Voltage Disconnect Voltage	11.1V;x2/24V		
Low Voltage Reconnect Voltage	12.6V;x2/24V		
Terminals	6 mm <sup>2</sup>	10 mm <sup>2</sup>	10mm <sup>2</sup>
Enclosure	IP30		

Technical data for lead acid battery at 25°C

# LandStar Solar Light Controller

Model : LS1024R



Timer1, Timer2, Batt.type

