

## LandStar series

LS1024RPD/LS1524RPD/LS2024RPD

Application:

Public lighting area, such as street light, path way,  
garden lights, parking area, bus station etc.,  
Ideal for extreme environments with corrosion, dust, water etc

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

Dual load output, enhance the flexibility of the system.

Intelligent timer function with 1-15 hours option

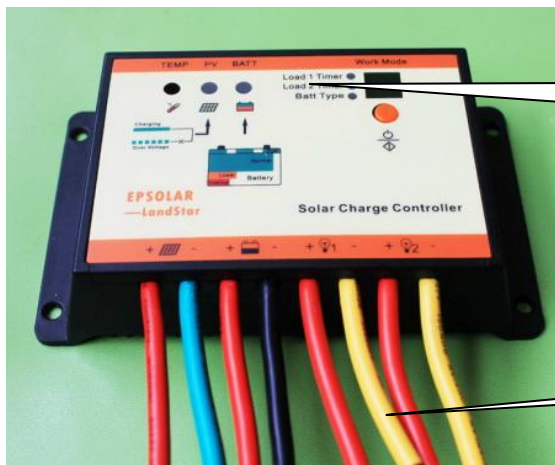
Waterproof design, IP66

- 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>)
- Electronic protection: Overheating, over charging, over discharging, overload, and short circuit
- Reverse polarity protection: Any combination of solar module and battery

| Model                            | LS1024RPD                                                              | LS1524RPD          | LS2024RPD         |
|----------------------------------|------------------------------------------------------------------------|--------------------|-------------------|
| 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                        | IP66                                                                   |                    |                   |

Technical data for lead acid battery at 25°C

## Product details

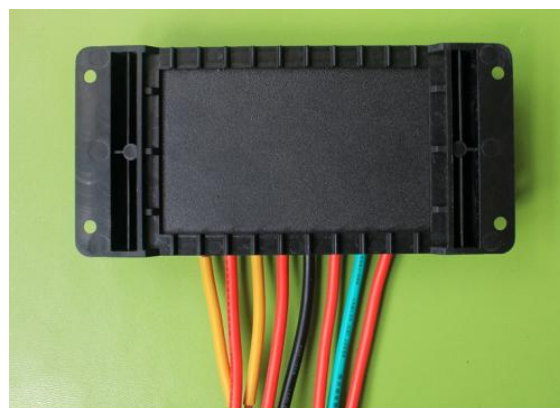


Load 1 timer1,  
Load 2 Timer2,  
Batt type

Lead wire



15A/ 20A



10A