



Feature:

1. 12/24V automatic recognition, load work mode: Dusk to dawn, ON/OFF, 1-12 hours timer, test
2. High efficient Series PWM charging, increase the battery lifetime and improve the solar system performance.
3. Use MOSFET as electronic switch, without any mechanical switch
4. Widely used, automatically recognize day/night.
5. Digital LED menu, only one key solve all setting simply
6. Adopt temperature compensation, correct the charging and discharging parameters automatically and improve the battery lifetime.
7. Electronic protection: Over charging, over discharging, overload, and short circuit.
8. Reverse protection for battery.

Specification:

Model	LS512R
Rated Charge Current	5A
Rated Load	12V, 5A
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
Low Voltage Disconnect Voltage	11.1V; x2/24V
Low Voltage Reconnect Voltage	12.6V; x2/24V
Under Voltage Warning Voltage	12.0V; x2/24V
Indication	LED display, protection, battery, PV panel, load
Self- consumption	Max. 6mA
Charge Circuit Voltage Drop	$\leq 0.26V$
Discharge Circuit Voltage Drop	$\leq 0.15V$
Working Temperature	-35Cto +55Cindustrial
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	-5mV/C/2V