

12V/24V DC Charging Control for Solar Panel Modules 5W up to 100W

Auto Detect — 5A & 15A — Solid State — Charges While LEDs in Use — Hi/Lo Battery Protection

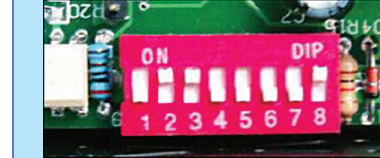
FEATURES

- **Warranty:** 1 Year
- **Reverse Voltage/Charge Protection:** Does Not Allow the Battery to Drain Back into the Solar Array When the Array Is Not Charging the Battery
- **Overcharge Protection:** Senses When the Battery Is Fully Charged, Keeping It at a Safe Voltage
- **Discharge Prevention:** Turns Off the Load When Battery Voltage Drops Below a Safe Level – Prevents Discharging the Battery to Zero Volts, Possibly Causing a Reverse-Charge Condition Or Damaging the Battery
- **Waterproof:** IP22 Rating
- **Adjustable Timer Control**
- **12V/24V System Auto-Detect**
- **Temperature Compensation**
- **PWM Charging**
- Low Overhead Power Consumption
- Reversed Battery Connection Protection
- **All Solid-State Circuitry:** No Relays to Fail
- **Ambient Light Sensor** (Solar Panel as a Light Sensor) with Adjustable Set Point – Power to Lights May Be Programmed to Turn ON at Different Ambient Light Conditions
- **Designed for Gelled Lead-Acid Batteries** – Not Recommended for NiCad Batteries

SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

PART NUMBER	SLR-CONTROLLER-00x
Nominal Voltage	12VDC / 24VDC
Max. Charge Current	SLR-CONTROLLER-005: 7A (Solar Panels Up to 50W) SLR-CONTROLLER-006: 15A (Solar Panels Up to 100W)
Low-Voltage Disconnect	10.8V / 21.6V
Reset	12 / 24V – Adjustable
Overcharge Protection	14.5 / 29V
Restart of Charging	13.7V
Self-Consumption	2mA / 4mA @12V
Lighting Switch	Lights automatically at first darkness
Lighting Modes	Constant / Flashing (60 times/min) / Custom Changing
Operating Temp. Range	-4°~+167° F / -20°C~+80° C
Waterproof	IP22 Rated Ingress Protection
Sun Level Adjustments	0-7
Timer	0 to 15 Hours
Dimensions	4.33" (W) × 2.32" (D) × 1.3" (H) 110mm (W) × 59mm (D) × 33mm (H)
Weight	3.9 oz [110 g]



Power to lights may be programmed to turn ON at different ambient light conditions. Light sensitivity programming as well as timer adjustment is accomplished by setting the DIP switch positions.

