

# Solar Panel Voltage Regulator



- ▶ Use with any size Lead-Acid Battery
- ▶ No Reverse Current Flow
- ▶ Safe Float Charging for Long Battery Life
- ▶ Accuracy You Can Count On.

The Solar Panel Voltage Regulator is intended for float charging of lead acid batteries. It is compatible with solar arrays whose current output is less than or equal to 3 Amperes. It may be used with any size lead-acid battery. Unlike some other regulators, it will not damage your battery due to overcharging.

The Solar Panel Voltage Regulator acts as a blocking diode when the battery voltage is greater than the solar array voltage. There will be no reverse current flow. It draws no current from the battery.

The regulator includes a thermal switch which will momentarily interrupt the current flow when the Solar Panel Voltage Regulator is dissipating too much heat.

While the Solar Panel Voltage Regulator can be installed outdoors, it is best to choose a mounting position which is protected from direct falling rain and from direct sunlight. This can usually be accomplished by mounting the regulator on the backside of the solar panel.



## SPECIFICATIONS

Input Voltage	12 to 20 VDC
Output Voltage	13.7 VDC
Output Current Limit	3 Amps
Operating Temp Range	-40 °C - 60 °C (40 °F - 140 °F)
Max/Min Wire Size 1	2 AWG / 24 AWG
Dimensions	1.5" x 1.5" x 3" (3.8cm x 3.8cm x 7.6cm)
Weight	4 Ounces (0.11 kg)
Mounting Holes	2 Each (3/16" Holes, 2.5" apart)

## ORDERING

Part #	Description
5100-0411	Solar Panel Regulator, 3 amp
5100-0407	Solar Panel Regulator, 4 amp
5100-0408	Solar Panel Regulator, 8 amp