

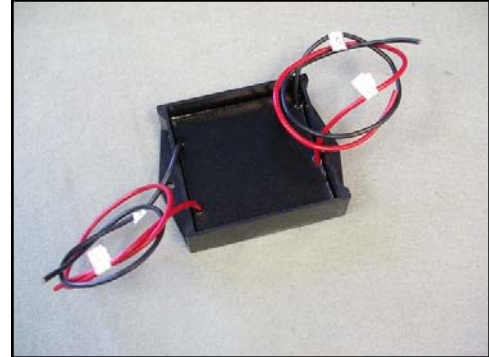


SENSIBLE SOLAR POWER
AFFORDABLE SOLAR SOLUTIONS FOR ENERGY

Solar Panel Controllers

Patent Pending

Sensible Solar now offers the most advanced solar panel controllers in the industry. Exclusive Patent Pending technology developed by Sensible Solar extracts every Watt of useable energy from your solar Panel. The Sensible Solar Panel Controllers use a unique Maximum Power Point (MPP) tracking system. The Sensible Solar MPP system uses a light sensor to automatically adjust for different temperatures and light levels. Temperature compensation and an intelligent charge algorithm delivers precise, safe charge current for your battery to deliver maximum service life and performance from your battery.



The PicoController series of Solar Panel Controllers is intended for use with small high efficiency 9V solar panels, such as the Sensible Solar model S2-PNL-3.3. The PicoController series has all of the sophisticated features of other Sensible Solar Controllers but also includes a step-up converter to allow the use of standard 12V batteries.

The Solar Panel Controllers feature:

- **Electronics encapsulated in rugged Silicone RTV potting compound**
- **Waterproof and Shockproof**
- **Easy, fast, 4-wire installation**
- **Rugged reliable operation even in extreme temperatures**
- **Temperature compensated intelligent charge algorithm**
- **Compensated Maximum Power Point (MPP) tracking using light level sensor¹**
- **9v to 12V conversion for small solar panels²**
- **Synchronous rectifier conversion for ultra-high efficiency**
- **Small size, mounts easily to the underside of the solar panel**
- **Low Cost**

Note 1: Except PicoController

Note 2: PicoController only

The Solar Panel controllers are intended for use with Lead-Acid batteries, but support for Lithium chemistries, such as Lithium-Ion, Lithium-Polymer, and LiPO₄ are available as a no-cost option.

Models available:

S2-Pico-3.3

Use with 9V (18-cell) solar panels up to 5W

S2-MPP-20

Use with 12V (36-cell) solar panels up to 20W

S2-MPP-90

Use with 12V (36-cell) solar panels up to 90W