

SunKeeper Advantages

Morningstar's *SunKeeper* solar controller provides a low cost regulated output directly from the solar module to maximize battery life in small solar power applications. This controller is available in a 6 amp or 12 amp version (both at 12 volts DC) with optional remote temperature sensor.

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High Reliability

Rated to 70°C to operate in high temperatures at the solar module. More reliable than controllers mounted inside the junction box. Uses very low on-resistance power MOSFET's. No need to re-rate.

Outdoor Rated

ETL approved for outdoor use without an additional enclosure. Rugged IP65, UV resistant case. Epoxy encapsulated printed circuit board and watertight connection to the module junction box.

Extensive Electronic Protections

Fully protected against reverse polarity, short circuit, overcurrent, lightning and transient surges, high temperature and reverse current at night.

Longer Battery Life

Series PWM with 3 stage charging: bulk, PWM regulation and float. Includes temperature compensation at the controller or alternatively at the battery when using optional remote temperature sensor. Able to charge a zero voltage battery.

Rated for Hazardous Locations

Specifically designed for solar power systems in the oil/gas industry. Approved for use in Class 1, Division 2, Groups A,B,C,D.

More Information

Bi-color LED is easy to read from the ground when the solar module is pole-mounted. Indicates solar charging, regulation, normal nighttime operation and any controller or system faults.

Easy to Install

Fits standard half inch conduit knockout (PG 13.5, M20) in module junction box. Quickly fastens with included locknut. Wires have fork connectors for easy connection to solar module terminals.

For product and purchase inquiries contact:

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