

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.*