

Everglades

3 Wire, 120 volts to Neutral Bi-directional Power Meter

The Everglades meter is intended for use with solar or wind powered inverters in systems where power is fed back into the power company grid. The current flow in each direction is displayed on a separate counter while the power company meter displays the net amount of power consumed above that generated by the solar or wind system.

Available Models

Everglades 200

Stand-alone power meter capable of measuring up to 200 amps in each of two circuits with the power flowing in each direction displayed on a separate electro-mechanical display counter.

Everglades Plus 200

Computer-readable power meter capable of measuring up to 200 amps in each circuit. Communication via the power lines.

Everglades Plus IO 200*

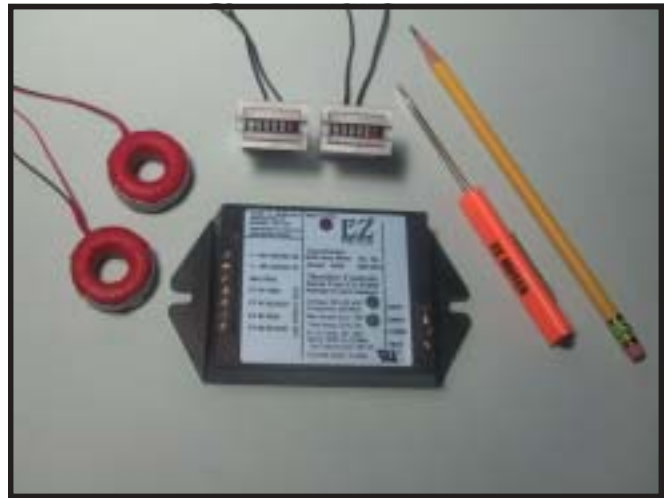
Same as the Everglades Plus 200 with added capability twisted pair communications capability plus three I/O ports for reading switch positions or controlling relays.

Suggested Options

Model 4900 Tamper shield allows meter to be sealed
Model 4910 Counter label for mounting on power pedestal
Model 4925 Mounting plate for electro-mechanical display

Certifications

The Everglades meter has been tested by Underwriters Laboratories to UL1244 and is a recognized component when installed in a NEMA enclosure appropriate for the location. The meter meets or exceeds the accuracy standards of ANSI C12.1(1995).



The Everglades watt-hour meter

The current transformers are the round donuts on the left with the wires coming out of them. The electromechanical display counters are shown at top center. A pencil is shown as a size reference. A small screw driver that fits the meter terminal screws is shipped with each meter order.

Installation Considerations

See the Basic Meter Installation sheet for detailed instructions on installing the meters. If you are installing a Plus model of the Everglades meter, see the EZ Meter Watt-hour Meter Reference Manual.

The Everglades meter was designed to be installed between the power company meter and the main circuit breaker panel. In many cases, this is not possible without replacing the main panel or using a split core current transformer (CT). Split core CTs are expensive, but frequently worth the cost to solve difficult installation problems.

The direction arrows on the current transformers are important on the Everglades meter if you are using both CTs. The arrows on the CTs should point toward the load and away from the utility company meter. If installed in this manner, power flowing from the power company will be read on DISP1 and power flowing back to the power company will be read on DISP2.

* Special Order item. Not normally stocked.

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**EZ
METER**

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