

Industry Leading Configuration

The PVMet 500 series supports up to three irradiance sensors in any combination of thermopile and silicon diode technologies, configured to monitor global, plane of array albedo (bifacial PV) and diffused parameters. The series also supports up to three back-of-panel temperature sensors.



Our precision pole brackets comes with mounting hardware included



Optional rain gauge available in either PVC plastic or Aluminum (RGA)

Features & Options

Base Model Sensors Include:

- Ambient Temperature
- Relative Humidity
- Barometric Pressure

Supports

- (3) Irradiance Sensors all classes and standard of Thermopile & Silicon Diode technologies
- Irradiance sensors can be configured to monitor Global, Plane Of Array, Albedo (bifacial PV) & Diffused parameters.
- (3) Back-of-Panel Temp Sensors

Sensors

- Ultra Sonic Anemometer windspeed and direction (Optional)
- Mini-Aervane Anemometer windspeed and direction (Optional)
- Ambient Temperature (Standard)
- Relative Humidity (Standard)
- Barometric Pressure (Standard)
- Rain Gauge (Optional) PVC/Plastic & Aluminum (RGA) version

The PVMet 500 series is multi Sensor Weather Station with one RTU Modbus communication protocol.

Performance Benefits

- Can accept precision solar sensors for efficient monitoring from Thermopile, including First Class, Second Class, and Secondary Standard to the economical Silicon Diode irradiance sensors.
- Meets the IEC-61724-1 standard for PV Monitoring Systems
- Easy set-up & fully assembled
- Tested Tough
- Durable & weather resistant
- Optional add-on sensors
- SunSpec certified or compliant
- Integration via Modbus RTU interface using RS-485
- Ethernet Modbus TCP option available



PowerWise
124 Main St,
Bucksport, ME 04416
powerwisesystems.com
207-370-6517