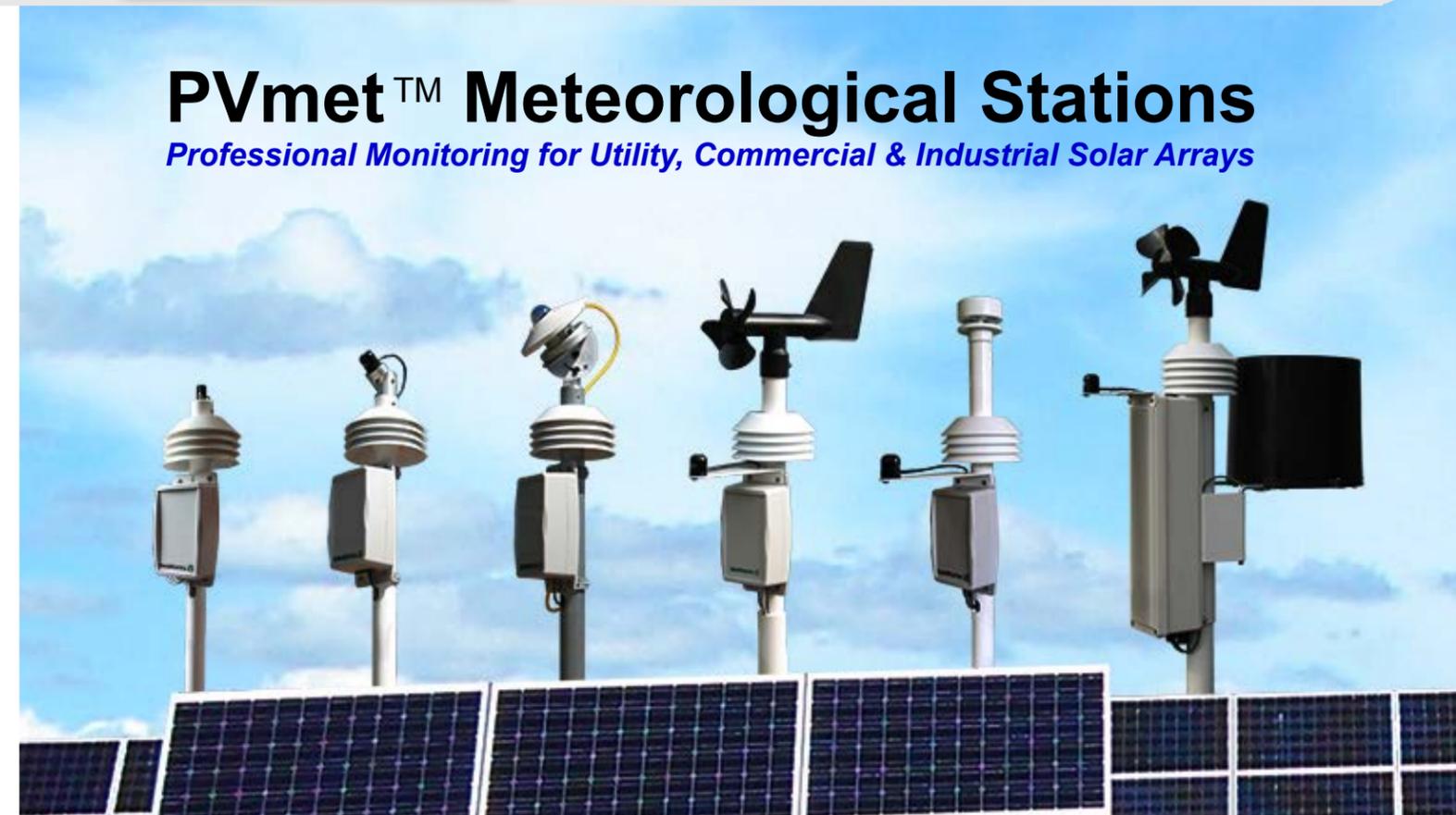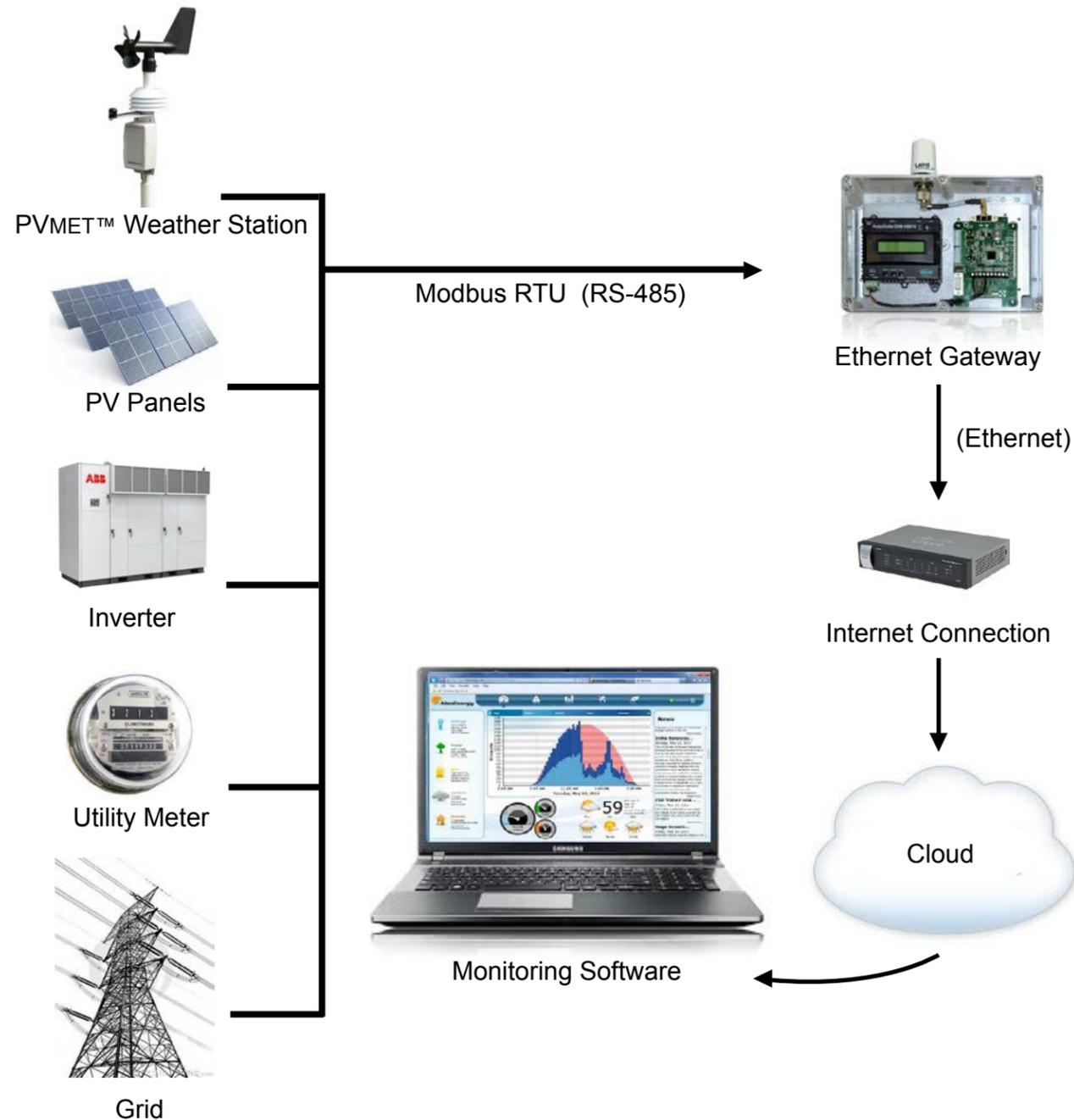# GET THE BANKABLE DATA YOU NEED
for Monitoring and Maintenance!

The PVmet™ weather station provides strategic environmental data that significantly increases the value of any on-site monitoring system. This fully assembled station allows for rapid out-of-the-box installation and simple hook up with standard Modbus RTU interface.

PVMET™ Weather Station

PV Panels

Modbus RTU (RS-485)

Ethernet Gateway

(Ethernet)

Inverter

Internet Connection

Utility Meter

Cloud

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Monitoring Software

Grid

PVmet™ Meteorological Stations
Professional Monitoring for Utility, Commercial & Industrial Solar Arrays

Maximize PV Output with Informed Efficiency Monitoring

Leading inverter and monitoring companies have chosen RainWise as the #1 provider of meteorological stations due to our proven reliability, easy deployment and accurate data. The RainWise PVmet™ family of weather stations offers a powerful add-on to any solar plant monitoring system. Featuring accurate sensors and standard communication integration, the PVmet™ is an economical addition to insure the highest PV panel output. Standard models come fully assembled, are easy to install and are fully operational in a matter of minutes. Every model of PVmet™ offers:

Efficient Operation	Rugged, Compact Design	Multiple Communication Protocols
• Easy set-up	• Durable & weather resistant	• Most models SunSpec certified or compliant
• Accurate weather sensors for efficiency monitoring	• Ultra-violet inhibited	• Simple integration via Modbus RTU interface using RS-485
• Operates over a broad range of temperatures	• Stainless steel hardware	
	• Optional add-on sensors	
	• 2 year warranty	

SUNSPEC ALLIANCE   Modbus

PVmet-75

Low Cost Entry Level Model

- Top quality Irradiance Sensor made by RainWise can be configured for either Global or Plane-of-Array monitoring
- 1 or 2 x Back-of-PV Panel Temp Sensor(s)
- Ambient Air Temperature Sensor

- Modbus RTU Communication
- Ethernet Modbus TCP option available
- SunSpec Compatible

PVmet-100

Standard Model with Adjustable Irradiance Monitoring

- Adjustable Irradiance Sensor for Global or Plane-of-Array monitoring
- 1 or 2 x Back-of-PV Panel Temp Sensor(s)
- Ambient Air Temperature Sensor

- Modbus RTU Communication
- Ethernet Modbus TCP option available
- SunSpec Certified

PVmet-200

Most Popular Commercial Model, Over 2000 Sold

- Global Irradiance Sensor
- Plane-of-Array Irradiance Sensor
- 1 or 2 x Back-of-PV Panel Temp Sensor(s)
- Ambient Air Temperature Sensor
- Wind Speed Sensor
- Wind Direction Sensor

- Modbus RTU Communication
- Ethernet Modbus TCP option available
- SunSpec Certified

PVmet-200 US

Upgraded Anemometer with Ultra Sonic Technology

- All the same great features as the PVmet 200 PLUS:

  Upgraded with a high precision Ultrasonic Anemometer for wind speed & direction. The Ultra Sonic Sensor has no moving parts which enhances sensor durability & practically eliminates maintenance. Marine grade corrosion free construction.

- Modbus RTU Communication
- Ethernet Modbus TCP option available
- SunSpec Compatible

PVmet-330

Commercial Model with All Weather Data

- Global Solar Irradiance Sensor
- Optional Plane of Array Irradiance Sensor
- 1 or 2 PV Back-of-PV Panel Temp Sensor(s)
- Ambient Air Temperature Sensor
- Wind Speed Sensor
- Wind Direction Sensor
- Relative Humidity Sensor
- Barometric Pressure Sensor
- Precipitation Sensor

- Modbus RTU Communication
- Ethernet Modbus TCP option available
- SunSpec Compatability Pending

PVmet-150

Thermopile Precision, Adjustable Irradiance Sensor

- Comes with superior WMO 2nd Class Thermopile Pyranometer. Upgradeable to 1st Class or Secondary Standard Thermopile Pyranometer. All pyranometers meet ISO 9060:1990 standards
- Adjustable Solar Irradiance Sensor for Global or Plane-of-Array monitoring
- Can support a second Thermopile Pyranometer for comprehensive irradiance monitoring
- 1 or 2 x Back-of-PV Panel Temp Sensor(s)
- Ambient Air Temperature Sensor

- Modbus RTU Communication
- Ethernet Modbus TCP option available
- SunSpec Certified

PVmet-150/200 Combo

Thermopile Precision Irradiance Sensors with Addition of Wind Speed and Direction

- 2 x Adjustable Thermopile Sensors for Global or Plane-of-Array monitoring. Includes 2 x fully adjustable Mounting Brackets with leveling screws.
- Comes with superior WMO 2nd Class Thermopile Pyranometer. Upgradeable to 1st Class or Secondary Standard Thermopile Pyranometer. All pyranometers meet ISO 9060:1990 standards
- 1 or 2 x Back-of-PV Panel Temp Sensor(s)
- Wind Speed Sensor
- Wind Direction Sensor
- Ambient Air Temperature Sensor
- Optional upgrade to an Ultra Sonic Anemometor

- Modbus RTU Communication
- Ethernet Modbus TCP option available
- SunSpec Certified