

Weather station hardware suite

AlsoEnergy's vertically-integrated, edge-to-cloud platform includes a weather station to provide direct access to actual site conditions through integrated hardware. The data from the weather sensors is transmitted to PowerTrack, AlsoEnergy's flagship cloud-based application for monitoring, managing, and optimizing energy, to provide insights into site conditions and expected, weather-adjusted performance information.

Anemometer: wind speed & direction



- Rugged components stand up to hurricane-force winds
- Includes sealed stainless-steel bearings for long life
- Digital filtering, with time constant applied to wind direction measurements

Pyranometer: solar irradiance



Silicon and thermopile models available

Temperature sensors



- BAPI outdoor temperature sensors
- BAPI panel temperature sensors
- Quick-response sensor
- Well-vented
- Watertight enclosure

* Additional virtual weather integrations available from other 3rd-party providers, such as Solargis and CPR Solar Anywhere, for customers that have existing subscriptions.

Specifications

(Standard model)

Ambient temperature	-20° to 120°F (±1.08°F) -29° to 49°C (±0.6°C) RTD sensor with 4-20mA analog transmitter
Module temperature	-20° to 120°F (±1.28°F) -47° to 67°C (±0.71°C) RTD sensor with 4-20mA analog transmitter
Wind speed	1 to 200 mph, greater of ±2 mph or ±5%
Wind direction	0° to 360°, ±7°
Pyranometer	0 - 1,750 W/m ² with less than 1% non-linearity ± 5% calibration uncertainty Less than 2% per year long term stability
Protocol	Modbus RS-485 2 wire + ground
Power	24 VDC 1.2 Watts
Operating temperature	-40°C to 80°C
Relative humidity	Up to 95% non-condensing
Enclosure type	NEMA 4