

Specifications

PVmet - 200

Power Requirements

10 to 30 VDC at 50mA

Operating Environment

Temperature: - 40° to 60°C (- 40° to 140°F)

Relative Humidity: 0-100%, Condensing

Global and Plane-of-Array (POA) Irradiance Sensors

Sensor Range: 0 to 1750 W/m²

Accuracy: +/-5%

Cosine Response 45°: +/-1%

Cosine Response 75°: +/-5%

Operational Temperature: - 25° to 55°C (-13° to 131°F)

Resolution: 1W/m²

Ambient Air Temperature Sensor

Range: - 40° to 80°C (- 40° to 176°F)

Accuracy: +/- 0.3°C (.54°F)

Thermal Time Constant 30 sec.

Resolution: 0.1°C

Anemometer

Speed

Range: 0 to 67 m/s

Accuracy: Greater of 0.45 m/s or 5%

Resolution: 1 m/s

Threshold: 0.45 m/s at a 10% Deflection

Direction

Range: 360°, No Deadband

Accuracy: +/- 11.25°

Resolution: 22.5°

Back of Module (BOM) Temperature Sensors:

Range: - 40° to 80°C (- 40° to 176°F)

Accuracy: +/- 0.3°C (.54°F)

Thermal Time Constant: 270 sec.

Cable Length: 7.62m (25 ft)

Resolution: 0.1°C

RS-485/422 Serial Port

Mode: 2-Wire Half Duplex

Connector: 4-Position Screw Terminal (A(-), B(+), Signal and Earth Ground)

Max Speed: 9600 Baud

Termination: 120 ohms (Internal Jumper Enable)

Materials

Polyvinyl Chloride, Acrylonitrile Butadiene Styrene, Stainless Steel, Anodized Aluminum, Lexan®, Makrolon® 2658.

Electronics:

Lead-free RoHS Compliant

Physical:

Packaged Dimensions: 6 cm x 20.3 cm x 20.3 cm (10.25" x 8" x 8")

Packaged Weight: 0.8 kg (1 lb. 12oz.)

Warranty

2 Years