PVMet™ 75

The RainWise PVMet 75 is a compact and lightweight solar monitoring station featuring our own Global or Plane-of-Array Amplified Silicon Irradiance Sensor, one or two Back-of-Panel Temperature Sensor(s), and an Ambient Air Temperature Sensor. Simple to install on any solar project, the PVMet 75 connects to Modbus RTU Communication with an Ethernet TCP option available. Ships fully assembled and factory calibrated.

SPECS

Power Specifications	
Power Requirements	10 to 30VDC at less than 50mA
Operating Environment	
Temperature	-40°C to 60°C (-40 to 140°F)
Relative Humidity	0-100% Condensing F
Irradiance Sensor	
Range	0-1750 W/m2
Accuracy	+/-5%
Cosine Response	45° +/-1%
Cosine Response	75° +/-5%
Operational Temperature	-25 to 55°C (-13 to 131°F)
Resolution	1W/m^2
Ambient Air Temperature Sensor	
Range	-40 to 80°C (-40 to 176°F)
Accuracy	+/- 0.4°C (0.72°F)
Thermal Time Constant	30 sec.
Resolution	0.1°C
Back of Module (BOM) Temperature Sensors	
Range	-40 to 80°C (-40 to 176°F)
Accuracy	+/- 0.3°C (0.54°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
Max Speed	9600 bps
Max. Modbus Poll Rate	100 ms.
Termination	120 ohms (internal jumper enable)

» 1x Irradiance Sensor

» Ambient Air Temperature Sensor

» Fully Assembled

» SunSpec Compliant

» Factory Tested

» Easy Installation

» TCP option available

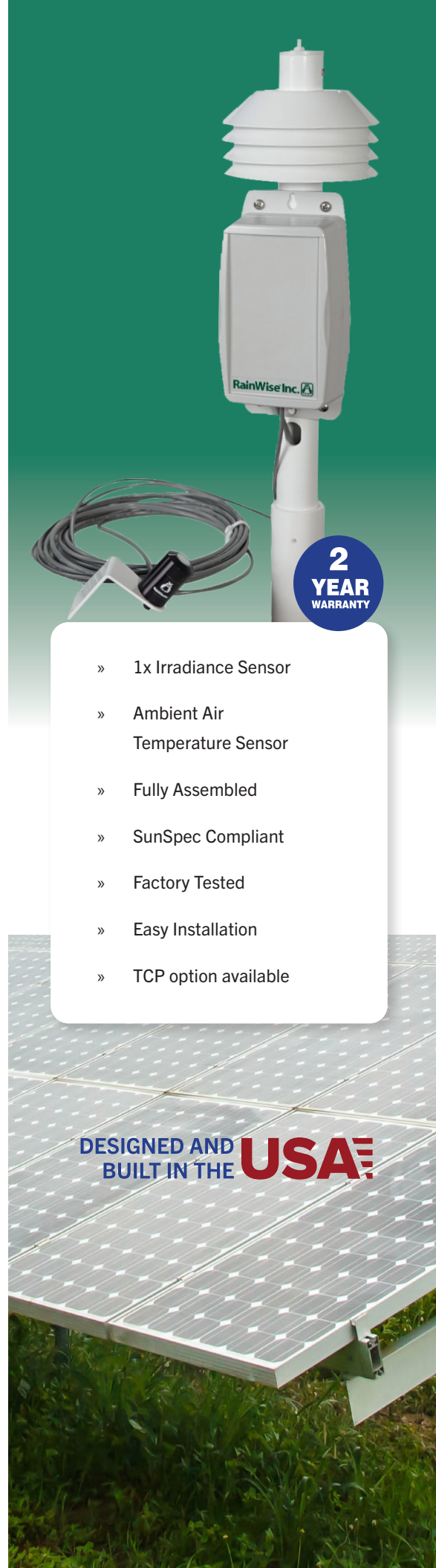**2 YEAR WARRANTY**

DESIGNED AND BUILT IN THE USA

Transform weather uncertainty into operational confidence with the accuracy and reliability of RainWise. Request a Quote Today!

Eric Rollins

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RainWise®

www.rainwise.com