

SNAPSHOT I-V WIRELESS METER

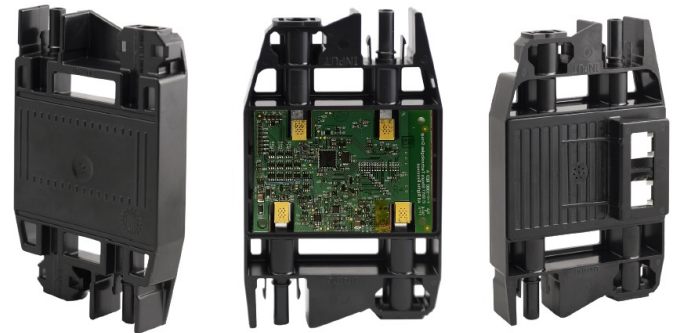
ABOUT

Snapshot I-V Wireless Meter is a panel-powered, wireless line-monitoring device. Sealed in its own weather-tight enclosure, the device installs on the back of the solar module that powers it. Together with the Snapshot I-V Wireless Gateway, these devices make up a flexible system for comprehensive power plant monitoring in installations with or without combiner boxes.

Auditing and troubleshooting of PV modules with traditional I-V Curve Tracer equipment is time consuming and labor intensive. The Snapshot I-V Wireless Meter puts the intelligence at the module, fully automating the process and providing real-time data on the performance of PV modules.

FEATURES

- Real-time performance monitoring: voltage, current, angle of inclination, temperature
- Eliminate unnecessary O&M service calls by proactively monitoring your system performance remotely
- Dynamic I-V curve tracing over time
- Static I-V curve tracing with inverter disconnected
- Velocity monitoring (speed of installation)
- Suitable for new construction or retrofit applications
- No external power supply required (module-powered)
- Long-range mesh protocol network (IEEE802.15.4)
- Seamless API integration with third-party monitoring software



All connectors are type MC4

PARAMETER	VALUE	PARAMETER	VALUE
Operating Input Voltage	10V - 100V	Temperature Measurement Accuracy	+/- 4°C
Min. Input Voltage	6V	Accelerometer Accuracy	+/- 2° (Roll, Pitch)
Max. Power Consumption	400mW	Measurement Interval	Up to 1 Hz, programmable
Output Current Range	0-20A Continuous	ESD Rating on All Connectors	+/- 8 kV
E-Load Range	0.3 ohms min. (20A@6VDC), 2W dissipation	Radio Frequency	2.4GHz
Max. Power Wattage	800W (40-100 Volts)	Environmental	IP67
Max. System Voltage	1500V	Standards and Compliance	FCC Class B
Ambient Temperature Range	-40°C to +50°C	Regulatory	UL1741
Relative Humidity	Up to 95% (Non-condensing)	Wireless Mesh Protocol	IEEE 802.15.4
Current Accuracy	+/- 1% FSR		
Voltage Accuracy	+/- 1% FSR		

Product design and specification subject to change or modification without notice.

