RESIDENTIAL METER
Real Time Energy Metering

- Remote monitoring system
- Plug and play configuration
- Indoor / Outdoor NEMA4
- ANSI C12.20 class 0.2 (option)
- Stock item – 48 hour lead time

PRODUCT DESCRIPTION

The SORAPRO line of residential power meters offer cutting edge industrial technology to implement a remote, solar energy solution into one small, cost effective package. SORAPRO can be equipped with a UL Recognized, ANSI C12.20 0.2 power meter and networking device in one NEMA4 enclosure to provide a unique solution for monitoring residential solar applications.

POWER METERING

All SORAPRO hardware utilizes split core CT's and hard-wired voltage references to measure power, making it universal to any type of solar energy system. Regardless of inverter or panel type, SORAPRO measures power with the highest level of accuracy and granularity. Data is uploaded to the SORAPRO portal automatically, provided you with data at your fingertips through an easy to use web interface.

NETWORK CONNECTION

SORAPRO devices are "plug and play" and can support a wide range of connectivity options. They can be configured to communicate via Ethernet, Powerline, or cellular networks. Data is securely transmitted via outbound only communications over open outbound ports. LED lights onboard indicate status of connections to simplify communications testing.

WHO IS SORAPRO?

SORAPRO is a research corporation dedicated to understanding the shortfalls of renewable energy installations and correcting them. Through monitoring, data servicing and analyzation, we develop cost effective solutions that are easy to incorporate for energy monitoring.

Our products are developed, designed, and assembled in the USA and serve renewable energy and building managers from around the world.

SYSTEM SPECIFICATIONS AND FEATURES

	VR01	VR11
	Residential	*Residential*
ANSI C12.20 (Revenue Grade)		✓
Monitor Energy Usage (Load Side)	✓	
Monitoring Connection: Split Core CT's	✓	✓
SMART automation capable	✓	
Plug and Play Device	✓	✓
Datalogger	Mini SD	Onboard
DC Power Supply	Onboard	10W
Standard Enclosure	NEMA4	NEMA4
AC Voltage Connection	240V	240V
Maximum AC System Size	20 KWAC	20 KWAC
Warranty		
Standard hardware warranty	5 years	5 years
Lifetime Technical Support	Lifetime	Lifetime
Software		
SORAPRO lifetime user access included	✓	✓
Instantaneous warning alerts by email	✓	✓
Monthly email reports	✓	✓
Custom CSV report downloads	✓	✓
Third Party reporting		✓
Kiosk View	✓	✓

TYPICAL WIRING CONFIGURATION

LEGEND

CTs (to solar backfeed)

Std CAT5 to network

Voltage references