

# SUNPOWER®

## SUNPOWER MONITORING SYSTEM

FOR EXISTING AND CUSTOM HOMES

### BENEFITS

#### Two Ways to View Data

System includes a wireless LCD display and Web-based monitoring.

#### Flexible Installation

System information is transmitted from the solar inverter to the homeowner's network router via a wireless or wired connection.

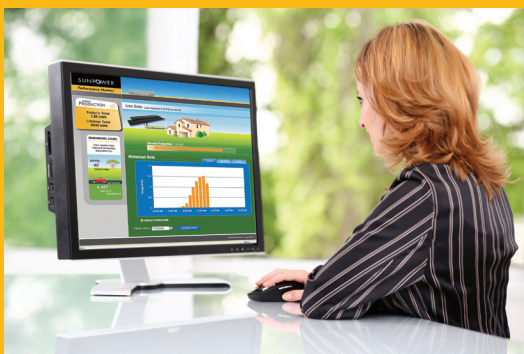
#### Inverter Compatibility

System works with all residential SPRx and SPRm inverters.

The SunPower Monitoring System enables SunPower Dealers to reduce maintenance expenses and exceed homeowner service expectations by diagnosing issues quickly through remote monitoring.

Homeowners can enjoy access to the performance of their home's solar system from any high-speed Internet-connected computer and from a wireless, wall-mounted display installed at a convenient location in the home.

Wireless connectivity between components enables a simple installation with clean aesthetics. A backup connection option allows installation via a network cable to ensure data transmission when components are beyond the wireless reception range.



#### Technical Specifications— Data Logger & Gateway

<b>Inverter Compatibility</b>	SPRx or SPRm Inverters
<b>Number of Inverters Supported</b>	Up to 3
<b>System Connection Type</b>	Wireless or Hardwired
<i>Wireless Configuration</i>	
From Data Logger to Gateway:	2.4GHz Wireless
From Gateway to Router/Switch:	Ethernet
<i>Hardwired Configuration (alternative connection method)</i>	
From Data Logger to Router/Switch:	Ethernet
<b>Transmission Range</b>	
Via Wireless Configuration:	70 ft (22 m)*
Via Hardwire Configuration:	300 ft (100 m)
<b>Power Source</b>	
SPRx Inverter:	Inverter-Powered
SPRm Inverter:	External AC Source (110VAC, <5W)
<b>Data Storage</b>	60 Days
<b>Upgradeability</b>	Automatic Firmware Upgrades

#### Wireless Display

<b>Connection Type</b>	Gateway to Wireless Display 2.4GHz (Point-to-Point)
<b>Power Source</b>	4 AAA Batteries (included)

#### Web Support

<b>Browsers</b>	Microsoft Internet Explorer 6.0, 7.0 Mozilla Firefox 2.0, 3.0, Safari 3.1.1
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#### Site Requirements

- SPRx or SPRm inverter
- Continuous high-speed Internet access
- Accessible router or switch
- AC outlet (for Gateway)
- AC connection via service panel or AC outlet (for SPRm-based Data Loggers)

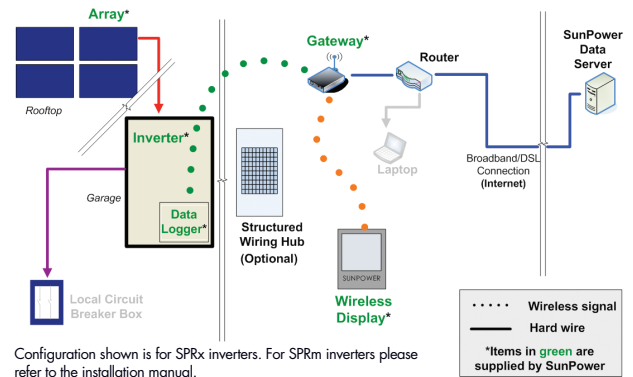
\* Site conditions will vary



SunPower Gateway



SunPower Data Logger



#### Mechanical Data

<b>Hardware Dimensions</b>	Data Logger	4.4" x 3.5" x 1.2"
	Gateway	4.4" x 3.5" x 1.2"
	Display	5.0" x 7.0" x 1.0"
<b>W x H x D (inches)</b>		
<b>Weight / Packed Weight</b>	Data Logger	0.35 lbs / 0.95 lbs
	Gateway	0.40 lbs / 1.55 lbs
	Display	0.70 lbs / 1.30 lbs
<b>Enclosure Rating</b>	Data Logger	NEMA 1
	External Enclosure	NEMA 3R
	Gateway	NEMA 1
	Display	NEMA 1
<b>Mounting</b>	SPRx-Based Data Logger	Mounted in SPRx Wiring Box
	SPRm-Based Data Logger	Mounted in External Enclosure
	Gateway	Located Near Network Router/Switch
	Display	Wall-Mount Hardware Included
<b>Operating Temperature</b>	Data Logger	32°F to 149°F / 0°C to 65°C
	Gateway	32°F to 122°F / 0°C to 50°C
	Display	32°F to 122°F / 0°C to 50°C

#### Warranty and Certifications

<b>Warranty</b>	10-year limited warranty for Data Logger and Gateway; 2-year limited warranty for Wireless Display
<b>Regulatory</b>	Gateway is certified to UL60950, Data Logger is certified to UL1741
	Data Logger, Gateway, and the Wireless Display are all FCC Part 15, Class B Compliant

#### About SunPower

SunPower designs, manufactures, and delivers high-performance solar electric technology worldwide. Our high-efficiency solar cells generate up to 50 percent more power than conventional solar cells. Our high-performance solar panels, roof tiles, and trackers deliver significantly more energy than competing systems.