SUNPOWER

SUNPOWER® MONITORING SYSTEM

FOR EXISTING HOMES

BENEFITS

Remote Monitoring for SunPower Dealers
Enables you to proactively monitor your customers' systems over the web

Three Ways to View Data for Homeowners
Homeowner system includes a wireless in-home LCD display, web-based monitoring, and free download of SunPower Monitoring for iPhone™ and iPod touch® mobile devices

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 costs and exceed homeowner expectations by diagnosing issues quickly through remote monitoring from any Internet-connected computer.

In addition, you now can offer your customers three ways to view the performance of their solar system:

– Online, through a web-based interface

– On their own conveniently located wall-mount display

– From their iPhone or iPod touch mobile device

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

Technical Specifications:
Data Logger & Gateway

Inverter Compatibility	SunPower SPRx or SPRm Inverters
Number of Inverters Supported	Up to 3
System Connection Type	Wireless or Hardwired
Wireless Configuration	
From Data Logger to Gateway:	2.4GHz Wireless
From Gateway to Router/Switch:	Ethernet
Hardwired Configuration (alternative connection method)	
From Data Logger to Router/Switch:	Ethernet

Transmission Range	
Via Wireless Configuration:	70 ft (22 m) (may vary with site conditions)
Via Hardwire Configuration:	330 ft (100 m) via category 5 twisted pair wire

Power Source	
SPRx Inverter:	Inverter-Powered
SPRm Inverter:	External AC Source (110VAC, <5W)

Data Storage	60 Days
Upgradeability	Automatic Firmware Upgrades

Wireless LCD Display

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

Web Support

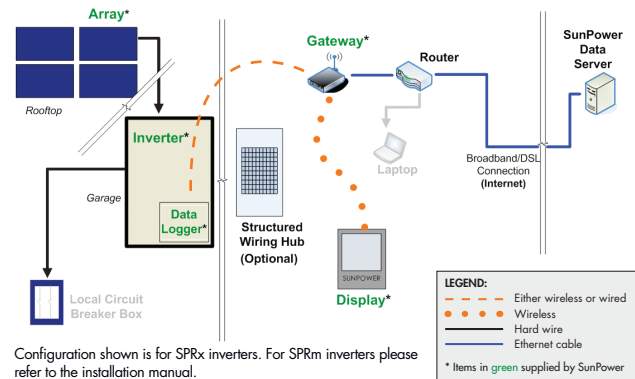|	
Browsers	Microsoft Internet Explorer 6.0, 7.0 Mozilla Firefox 2.0, 3.0, Safari 3.1.1
Login Website	www.sunpowermonitor.com

iPhone™ and iPod touch® Application

Installation Steps

(1) Homeowner must first register for web access on sunpowermonitor.com
(2) Enter *SunPower* on the App Store from their iPhone, iPod touch or iTunes® platform
(3) Download the free application
(4) Login using the same username/password as for web login

Site Requirements

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

Configuration shown is for SPRx inverters. For SPRm inverters please refer to the installation manual.

LEGEND:
- – – – Either wireless or wired
- • • • • Wireless
- ——— Hard wire
- ——— Ethernet cable

* Items in green supplied by SunPower

Mechanical Data

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

Warranty and Certifications

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

SunPower Gateway

SunPower Data Logger

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.

Document #001-45617 Rev*A

sunpowercorp.com