

Solar System Displays

SolarSight

No longer do you need to go outside to monitor your grid connect solar power system. BP Solar's SolarSight allows you to view the performance of your solar electricity system from the comfort of your living room - or indeed any room! The SolarSight is a compact wireless device that communicates with your solar electricity system's inverter and displays in large clear numbers your solar energy generation for today and to date, as well as the number of kilograms of carbon dioxide emissions you have avoided since installing the system.

SolarSight

The SolarSight can be wall-mounted or carried around from room to room and is an ideal coffee table feature. It makes for an excellent conversation piece as you will be able to show friends and visitors exactly how much electricity your system is silently generating. The SolarSight is the must-have accessory and monitoring device for every grid connected solar power system.

The SolarSight consists of:

- The SolarSight wireless display unit (batteries included),
- The SolarSight transmitter interface unit (power supply & communications inverter connection cable included)
- Detailed Installation & Operation guide.

General features:

- Connects to any BP Solar GCi inverter that is fitted with a RS232 communications card (card optional)
- Simple transmitter interface unit connection procedure (only three wires to connect to the inverter (DB9 cable included))
- Attractive desk or wall mount display case
- Large font LCD with push button controls
- Self test on start up
- Auto sleep function to maximise battery life
- Large clear performance variables
- Connection status and battery life indicators
- Graph of today's power
- Graph of daily energy totals
- More than 100 days memory for power and daily energy totals
- Indoor range (approximately 40 metres)
- Outdoor range (line of sight) approximately 100 metres

Key Features:

- Current power output
- Energy produced today
- Energy produced to date
- kg of CO₂ saved to date
- Today's power output in graphical format
- Daily energy totals in graphical format



A typical grid connected solar power system.



Easy to use SolarSight display in the home.




The SolarSight wireless display unit.

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SolarSight - Specifications

Display Screens

Display Screens Shown	<ul style="list-style-type: none"> Energy Total (kWh) kg of CO₂ saved (kg) Power Now (W, kW) Solar Voltage (V) Energy Today (Wh, kW) AC Voltage (V) AC Frequency (Hz) AC Current (mA) Serial Number Date & Time Status 	
Graphic Format	<ul style="list-style-type: none"> Today's average power Average Power on (Date) 	
Indicators	<ul style="list-style-type: none"> Daily energy totals Internal battery level indication Transmission Signal System operation symbols 	

Electrical

Display	<ul style="list-style-type: none"> LCD Power Supply Battery Life Power Saving Memory Capacity 	<ul style="list-style-type: none"> 128 x 64 Graphic LCD 2 x AA alkaline batteries (1.5V) Approx one year (depending on Sleep Timer setting) Auto sleep function 500kBytes (data stored in non-volatile memory)
Transmitter	<ul style="list-style-type: none"> Power supply Consumption Protection Radio signal range 	<ul style="list-style-type: none"> 240V AC plug pack, output 9VDC, centre +ve. (accepts 6-15V DC) 30mA Reverse polarity protected Indoors - up to 40m (depending on interference) Outdoors - up to 100m line of sight
Communications	<ul style="list-style-type: none"> To display Radio frequency From GCi inverter 	<ul style="list-style-type: none"> Wireless 433.5MHz RS232 (via three-wire DB9 connection)
Approvals	<ul style="list-style-type: none"> C-Tick 	<ul style="list-style-type: none"> Display to AS NZS CISPR22 Class B ITE Transmitter to AS NZS 4268-2003

Physical

Display dimensions	160mm(L) x 110mm(W) x 60mm(H)
Weight	250g
Ambient temperature range	-10°C to 50°C
Humidity range	Up to 95% relative humidity (non-condensing)
Enclosure rating	Indoor use only

Disclaimer: BP Solar has a policy of continuing product improvement and enhancement. BP Solar therefore reserves the right to change these specifications at any time and without notice and should not be used as the definitive source of information for the final system design. BP Solar cannot guarantee communication distances between the inverter and the SolarSight due to unknown installation conditions & possible interference from other electronic or electrical devices.