

The logo consists of three green circles of varying sizes connected by thin lines, resembling a molecular structure or a stylized atom.

iSolarTM

Home Power Systems



www.iSolar.com.au



iSolar Grid Connect

All-in-one iSolar solutions to suit your home

iSolar Systems use the latest in BP Solar technology and provide a complete service to help you choose the best solar system for your needs. We also take care of all the paperwork to help you receive the maximum government rebate. You can choose to sell your excess electricity to your participating retailer at agreed rates. We help you with the lot.

Each home solar energy system includes BP Solar photovoltaic (PV) Panels, a Grid Interactive Inverters, rooftop mounting and wiring system. All Solar Panels come with a 25 Year Power Performance Warranty.

How it works

iSolar Power Systems allow residents to plug into the sun and convert its energy into standard household electricity. Our systems utilise the latest high efficiency solar module technologies to collect the sunlight and specialised electronic devices to convert and control the flow of electricity. When your iSolar Power System generates more power than your household uses, any excess electricity flows into the grid effectively spinning your electric meter backwards and building a credit against your bill. The iSolar Power Systems can include a compact wireless display SolarSight, so you can view and monitor your solar systems performance from the comfort of your living room - or indeed any room!



How it benefits you

Environmental benefits

Solar electricity is the clean, silent energy alternative, helping the environment by preventing greenhouse gases from entering the atmosphere. Installing an iSolar Power System is also a perfect way to meet rising building energy efficiency standards.

Financial Benefits

A solar electricity system is a sound financial investment which can significantly reduce electricity bills while also future proofing your home against inevitable electricity price increases by providing a fixed generation cost. Installing a iSolar Power System will add value to your home or business and is a very attractive asset for prospective buyers.

Support for the future

The BP Solar modules used in the iSolar Power Systems are designed to withstand the harshest of weather conditions, including hail, and have an expected working life in excess of 25 years. You can rest easy in the knowledge this the solar modules in your iSolar Power System are backed by a 25-year power output warranty and are made in Australia.

BP Solar is proud to have more than 25 years experience manufacturing and supplying solar systems in Australia. We can give you the peace of mind you need when investing in solar.

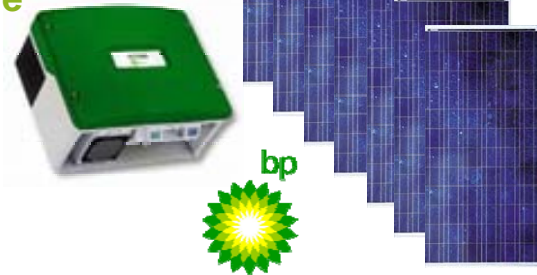


iSolar Grid Connect

All-in-one iSolar solutions to suit your home

A flexible design

The iSolar Power System has been designed to suit a wide variety of needs and situations. It is available in a range of sizes, from 1,000 watts up to 5,000 watts, and is expandable as your demand and budget grows. The innovative mounting system allows the system to be fitted to corrugated metal or tile roofs and to a variety of roof shapes, quickly and simply.



Everything you need

iSolar Power Systems include the following:

- Supply and installation of Australian made BP Solar Polycrystalline 165 Watt Solar Panels. TUV Certified with 25 Year Performance Warranty.
- Supply and installation of an efficient and fully approved Grid Connect SMA Inverter with a 10 Year Product Warranty.
- High quality, certified aluminium mounting structure. Optional cyclone rating fixing kits are available.
- A range of power sizes to match your electricity demand and budget.
- The supply and installation of cabling, conduit and safety labels
- Installation of a complete Solar System by a BCSE Certified Installer and Registered Electrician.
- Processing and submission of all required forms for the Australian Greenhouse Office (AGO), Photo-voltaic Rebate Program (PVRP) and relevant electrical distributor.
- Detailed System Owners manual
- Optional wireless display (SolarSight), to view your iSolar system performance in your home.

How much electricity will I generate?

The peak generation of power is on a cool, clear day when the sun is perpendicular to the solar array. Clouds, seasonal changes in the angle of the sun, panel soiling, roof orientation, and any incidental shading may impact on the performance. The graph below can be used as a guide to typical power generation by the various kits sizes, at different times of the year. It allows you to match a system to your electricity demand.

For example, a typical energy efficient home is defined as consuming 7.5kWh per day, and would require a smaller system to cover some or all the energy consumed. A typical conventional home consumes 18kWh per day and would require a larger system to cover some or all the energy consumed. For a more detailed prediction, please contact iSolar by calling 03 5255 1413

*Calculations based on meteorological data from Sydney Australia at a typical roof angle of 27 degrees, facing due North under average annual solar conditions. Calculation does not include compensation for mounting angle, orientation, dirt build-up, electrical losses or temperature, which may affect total output.





iSolar Grid Connect



BP Solar Energiser 1000 Grid Connect Power System	Energiser 1000E Grid Connect Power System	BP Solar Energiser 2000 Grid Connect Power System	Energiser 2000E Grid Connect Power System	BP Solar Energiser 3000 Grid Connect Power System
---	---	---	---	---

Solar Panels					
Panel Type	BP3165N	BP3165N	BP3165N	BP3165N	BP3165N
Dimensions H x W x D	1593 x 790 x 50	1593 x 790 x 50	1593 x 790 x 50	1593 x 790 x 50	1593 x 790 x 50
System Surface Area	10.07	10.07	20.14	20.14	30.20
Certifications	TUV Certified	TUV Certified	TUV Certified	TUV Certified	TUV Certified
Power Performance Warranty	25 Years	25 Years	25 Years	25 Years	25 Years

Inverter					
Model	SB1100	SB1700	SB1700	SB2500 LC DESS	SB2500 LC DESS
Performance Warranty	10 Years	10 Years	10 Years	10 Years	10 Years
Maximum Expandable	1320w (8 Modules)	1980w (12 Modules)	No Expandability	2970 w (18 Modules)	No Expandability
Certification	AS4777	AS4777	AS4777	AS4777	AS4777

Output					
Max Daily Average Output Power kW	4.5	4.5	9	9	13.5

Environment					
Reduction in gas emissions kg	2500	2500	5000	5000	7500
Reduction in gas emissions (Black Balloons)	40,000	40000	80000	80000	120000
Water Saving per year due to reduction of coal fuelled power (lt)	3,750	3750	7500	7500	11250

Other					
Solar Sight Compatible	Yes	Yes	Yes	Yes	Yes
Owners Manual	Yes	Yes	Yes	Yes	Yes



Other Information

Inverter output voltage (nominal)	240V AC, 50Hz
Operating temperature	25oC to 70oC
Minimum distance to any roof edge	900mm
Mounting angle design range	10o to 45o
Maximum wind speed regions: ²	Region C (cyclonic) ³
corrugated metal	Region B (intermediate)
tile	25 year power (see warranty sheet for terms and conditions)
Solar module warranty	10 years (see warranty inverter manual for
Inverter warranty	

1) The Supply, Installation and Grid Connect of complete Home Solar Power System including TUV Certified Poly-Crystalline Solar Panels and Grid Tie Inverter approved to AS4777. Processing and submission of all required documents for the Australian Greenhouse Office (AGO) Solar Homes and Communities Plan (SHCP) Rebate and relevant Electrical Distributor. Installation of system by BCSE Certified Installer and Registered Electrician. Price range account distances from Capital cities. AGO SHCP Rebate is subject to change without notice. Advertised price does not include any required metering alterations as this cost varies according to the requirements of your local Electricity Distributor.

2) Regions based on AS1170. Conditions apply in relation to the effects of terrain categories and topographic multipliers. These can affect suitability for fixing with in the various regions. Each site must be assessed prior to any installation to confirm suitability.

3) Additional brackets are required for mounting to corrugated metal roofs in Region C (Cyclonic) Terrain Category. 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 Additional warranty and technical information may be found on our website or obtained from iSolar on 5255 1413.





iSolar Accessories

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 wireless display unit.

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:

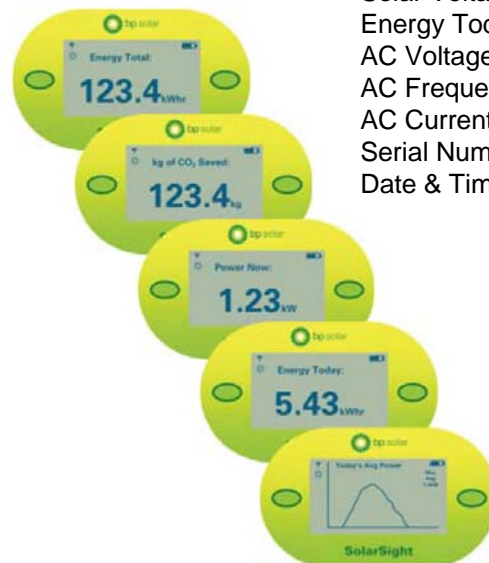
- Connects to any BP Solar GCi inverter that is fitted with a RS232 communications card (card optional)
- Simple transmitter interface unit connection procedure (only three wires to connect) to the inverter (DB9 cable included)
- Attractive desk or wall mount display case
- Large font LCD with push button 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

Display Screens

- 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





p 03 5255 1413 | e info@isolar.com | www.iSolar.com.au

Please consider the environment before printing