



CONERGY

# Grid Connect Solar - Clean, Green Power from the Sun





## » Our world is full of energy

The Conergy Group ranks among the leading solar companies in Europe, and is one of the world's market leaders in solar system integration. The company, founded in Hamburg, Germany in 1998, is dedicated solely to renewable energy technology. Conergy manufactures and installs complete solar systems and components for private and business customers as well as planning and installing some of the world's most significant large scale renewables projects for institutional investors.

Conergy's German solar module factory is recognised as one of the most modern solar production facilities worldwide, making the brand synonymous with high quality and reliability.

Conergy Australia is a leading provider of solar power, solar hot water and small wind power applications which we distribute through our extensive, Australia-wide reseller and installer network.

Your contribution for a brighter future can start now – with renewable energy solutions from Conergy, your trusted partner in renewable energy technology.

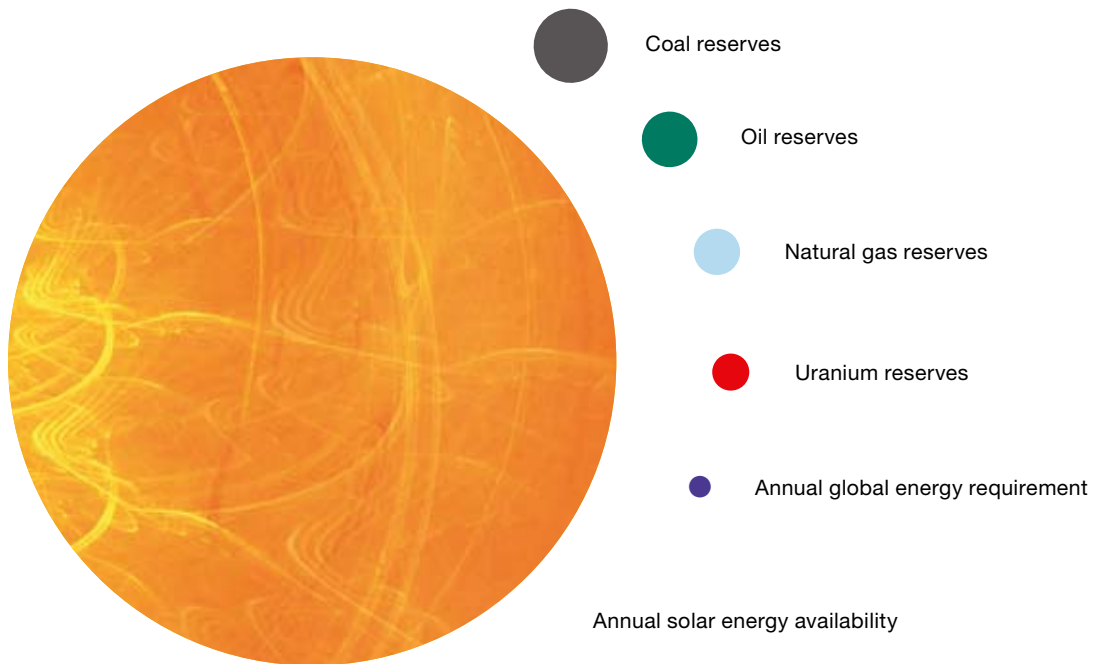
**Free quotes and site inspections**

**Phone: 1300 551 303    Web: [www.conergy.com.au](http://www.conergy.com.au)**



» **The sun supplies us with energy – which is free and environmentally friendly**

In contrast to the limited availability of fossil fuels, the sun provides enough energy in less than an hour for the world's entire population to last a year – without limits.



**FOSSIL ENERGY SOURCES ARE FINITE**

The scarcity of fossil resources and the simultaneously increasing demand for energy have already led to an overwhelming increase in energy prices, which still continue to rise. Additionally, the negative effects of fossil fuels on the environment are widely known and will become an increasing problem in the future. It is time to make a change!

The sun offers free, environmentally-friendly energy for at least the next 5 billion years. You can make use of this while both helping the environment and saving money. Benefit from the power of the sun twice over – for the environment and for yourself.

**You can make the sun work for you, in the form of:**

- | Conergy solar electric systems (photovoltaics): solar modules generate electrical current which supplies your appliances, with any surplus being fed back into the grid - generating a credit on your energy bill. Apart from the environmental benefits, a solar electric power system will also increase the value of your home.
- | Conergy solar hot water systems (solar thermal): collectors are heated by the sun. The heat obtained can be used to cover up to 90% of your hot water requirements. Conergy manufactures high efficiency flat plate collector solar water heaters



For your free quote  
call 1300 551 303  
or visit  
[www.conergy.com.au](http://www.conergy.com.au)

### WHY CHOOSE CONERGY SOLAR POWER?

An important reason to choose Conergy is the security of buying from a internationally reputable brand. Conergy, as one of the world's largest renewable energy system integrators, has already installed over 100,000 renewable energy systems worldwide. Conergy will still be around to honour your 25 year module warranty, which may not seem important now, but is significant if you require service or maintenance support over 20 years after your system was installed.

The performance of our photovoltaic modules guarantees optimal efficiency and our worldwide sourcing of the highest quality components means ultimate reliability for you. Our mounting systems have set the standard with high quality engineering and minimal tool requirements to allow for easy and fast installation. We have a mounting system for any solar application from pitched or flat roofs to ground mounted small and large scale installations. In addition, we offer our customers peace of mind through reliable European grid connect inverter technology offering solid performance and clear product guarantees.

### HOW GRID CONNECT SOLAR POWER WORKS

A solar module is made up of a group of photovoltaic cells. They consist of 2 layers of silicon wafers which become positively and negatively charged when sunlight hits them. The charge created flows through a circuit of small wires connected to the wafers. DC electricity is produced which flows into an inverter, converting it to 240 V AC mains electricity. This electricity supplies your home appliances, with any surplus being fed back into the main grid. You receive a credit on your energy bill from your electricity provider for the amount you feed into the grid. Systems can be sized to your requirements and budget.

### GOVERNMENT REBATES AND INCENTIVES

Conergy solar power systems attract considerable rebates and government incentives which help you offset the cost of your system. The incentive schemes can vary so please speak to your Conergy partner about your eligibility. They will be happy to advise you and will usually lodge your application, meaning less paperwork for you.



- 1 An array of solar modules produces DC electricity from the sunlight
- 2 Solar modules are fixed to the roof with a mounting system
- 3 An inverter converts the DC electricity to AC mains electricity
- 4 The inverter is connected to the power meter, which spins backwards when surplus electricity is fed into the grid
- 5 Surplus electricity not used by the household is fed back into the grid
- 6 System monitoring equipment can be installed to allow you to monitor the performance of your system on a PC

# Performance & Reliability

Conergy's quality products have been tried and tested in the field over many years, meaning you can be sure that our solar modules, inverters and mounting systems will provide you with reliable performance while you relax and enjoy the benefits of producing your own clean, free electricity.



## SOLAR MODULES

Product quality, backed by our warranties:

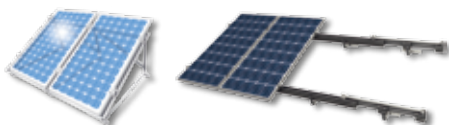
- | 5 year product warranty
- | 12 year warranty on 90% of minimum output
- | 25 year warranty on 80% of minimum output
- | IEC standard certified



## INVERTERS

High efficiency for minimum power loss:

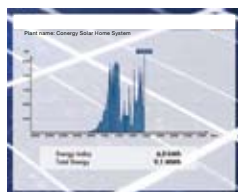
- | Quality European inverter technology
- | 5 year standard warranty, extendable to 10 years
- | Indoor and outdoor models available - you decide
- | Upgrade to a larger inverter and add additional panels later



## MOUNTING SYSTEMS

We set the standard by which others follow:

- | Systems for pitched or flat roofs as well as ground mounting
- | Tin, tile or slate roof mounting
- | Conergy's patented design ensures simple, fast and safe installation
- | Corrosion resistant and 10 year product warranty



## SYSTEM PERFORMANCE MONITORING

User friendly system monitoring from your PC:

- | Your system performance displayed in easy-to-read graphics
- | Data logging for regular statistical analysis of your energy production
- | Accessible either through an online portal, local network or standalone PC
- | Multi-system monitoring also available

## TYPICAL OUTPUT OF CONERGY GRID CONNECT SYSTEMS

	SunEasy 1	SunEasy 1.5	SunEasy 2	SunEasy 5
Nominal system output	1.0 kW	1.5 kW	2.0 kW	5.0 kW
Approx. roof space	8 m <sup>2</sup> (6 x 170W modules)	12 m <sup>2</sup> (9 x 170W modules)	16 m <sup>2</sup> (12 x 170W modules)	40 m <sup>2</sup> (28 x 170W modules)
Expected annual output *				
Sydney	1,466 kWh	2,199 kWh	2,932 kWh	7,330 kWh
Melbourne	1,471 kWh	2,207 kWh	2,942 kWh	7,355 kWh
Brisbane	1,475 kWh	2,213 kWh	2,950 kWh	7,375 kWh
Adelaide	1,604 kWh	2,406 kWh	3,208 kWh	8,020 kWh
Perth	1,757 kWh	2,636 kWh	3,514 kWh	8,785 kWh
Annual bill savings *	25%	35%	50%	120%
Annual CO <sub>2</sub> emissions saved *	1.4 - 1.7 tonnes	2.2 - 2.6 tonnes	2.9 - 3.5 tonnes	7.3 - 8.7 tonnes

\* Figures quoted are approximate, and are based on average conditions and consumption patterns

**OUR WORLD IS FULL OF ENERGY.**

Your local Conergy Partner:

