



# Integrated Solar Solutions



Renewable energy for your home  
Powered by Conergy



## What is Grid Connect Solar Power?

The simplicity of an Integrated Solar Solutions photovoltaic (solar) system powered by Conergy is a major reason for its reliability and efficiency.

Sunlight hits the photovoltaic cells in solar modules (generally roof mounted), causing a charge to flow through a circuit of small wires between two layers of silicon wafers, which in turn creates DC electricity.

The DC electricity is fed into an inverter which turns it into 240 volt AC – the electrical force or pressure (just like water pressure) your home requires.

This “free” electricity from the sun is fed through your home’s wiring to lights and power outlets and any surplus electricity is fed back into the main grid, creating a credit on your bill.

## Switch on to solar power

Want to “do your bit” for the planet? By “going solar” your new home can be transformed. Instead of being part of the problem, it can be part of the solution.

Integrated Solar Solutions make it easy for you to join the growing number of Australians who are acting locally to counteract the impact of global warming.

By adding a solar powered electricity generation system to the roof of your home you’ll be using the cleanest, most viable form of renewable energy to help power your house.

Confused by the technology, the options, the government rebates and the credentials of suppliers? That’s where we can help. Integrated Solar Solutions brings together the financial strength and building industry experience of BlueScope Lysaght and the global solar electricity resources and technology of Conergy to simplify the whole process.

Germany’s Conergy Group is one of the world’s leading solar enterprises, with wide experience in renewable energy and a history of 70,000 successful installations.



## Which solar system?

BlueScope Lysaght’s Integrated Solar Solutions business has selected three Grid Connect systems from Conergy’s range to suit local needs.

Regardless of where you live and how much of your electricity requirements you want to generate from solar power we can supply a system to suit.

Our consultants can take you through the whole selection process with an approach which gives you the information you need to make an informed decision for your new home, without baffling you with science.

Tell us how much electricity you currently use (it’s on your supplier’s bill), what you want to achieve and we’ll present the options.



## Count the benefits

Whatever your reasons for considering solar power there are benefits for you and the planet.

By generating solar power you can immediately reduce your electricity bill. You'll be helping the community, because any surplus electricity will be fed into the grid, reducing the demand on traditional power stations. You'll also receive a credit on your bill for this electricity.

If you install an eligible system you may also be entitled to a means-tested \$8,000 Federal

Government rebate<sup>1</sup> and to Renewable Energy Certificate (REC)<sup>2</sup> proceeds to partially offset the cost. Check with our consultants to confirm current arrangements.

Another practical benefit which a solar power system from Integrated Solar Solutions will provide is the value it will add to your home.

It will also reduce your carbon footprint as it makes it easier to meet energy efficiency regulations for new homes.



## Three models – one just right for your home

Whichever Integrated Solar Solutions Grid Connect system you choose for your home, you'll be investing in a premium quality system backed by extensive warranties<sup>5</sup> which cover the solar modules, the mounting system and the inverter. All three systems have been configured with high efficiency Conergy modules and inverters to generate electricity, save you money and help reduce your carbon footprint for decades.

### SunEasy 1

Is system cost a prime consideration, but you still want to make the commitment to carbon footprint reduction while saving on your electricity? Talk to an Integrated Solar Solutions consultant about the SunEasy 1 option. It could be the one for you. Its modules take up just eight square metres of roof space, but their expected output<sup>4</sup> is 1,466 kilowatt hours per year.

That's an annual saving of 1.5 tonnes of carbon dioxide and a potential 25 per cent reduction in the typical bill for a medium energy consumption household. Even a high energy consumption household can save 16 per cent of its electricity bill by installing a SunEasy 1 system<sup>3</sup>. And like all of our systems it's eligible for the Federal Government's \$8,000 Solar Homes & Communities Program rebate (subject to household means test. Information correct at time of printing).

### SunEasy 1.5

For an even larger impact on your electricity bill and carbon footprint, the SunEasy 1.5 system incorporates Conergy high efficiency modules with a combined output of 2,199 kilowatt hours per year<sup>4</sup> which represents a carbon dioxide saving of 2.2 tonnes per year from just 12 square metres of roof space. For a medium energy consumption household that represents a potential 38 per cent saving on a typical electricity consumption bill and a potential 24 per cent saving for a high energy consumption household.



### SunEasy 2

Want to reduce your electricity bill by as much as 50 per cent and save up to 3.0 tonnes per year of carbon dioxide generation? You can do it with the SunEasy 2, our high capacity system with an expected yearly output of 2,932kWh.

Even for a high energy consumption household that represents a potential 32 per cent saving on a typical electricity consumption bill. With the high efficiency Conergy design you can harvest the solar power to do this from just 16 square metres of rooftop modules.

Prices for all Integrated Solar Solutions systems vary according to installation requirements.

**Call 1800 213 423 for a free, no obligation quote to equip your home with a solar power investment that will pay for itself sooner than you think.**



## Integrated Solar Solutions Grid Connect systems

Model	Sun Easy 1 Grid Connect Kit	Sun Easy 1.5 Grid Connect Kit	Sun Easy 2 Grid Connect Kit
Solar Panels	24V Conergy large area modules	24V Conergy large area modules	24V Conergy large area modules
Inverter	SMA Sunny Boy 1100	Conergy WR 1700	Conergy WR 2300
Nominal system size	1 kW	1.5 kW	2 kW
Roof space required	8 sq metres	12 sq metres	16 sq metres
Expected yearly output <sup>4</sup>	1,466 kWh per year	2,199 kWh per year	2,932 kWh per year
Approx. yearly saving <sup>3</sup>	25% of bill for medium energy consumption household	38% of bill for medium energy consumption household	50% of bill for medium energy consumption household
	16% of bill for high energy consumption household	24% of bill for high energy consumption household	32% of bill for high energy consumption household
CO <sub>2</sub> saved	1.5 tonnes per year	2.2 tonnes per year	3.0 tonnes per year
Fed. Gov. SHCP Rebate <sup>1</sup>	\$8,000 (at time of printing)	\$8,000 (at time of printing)	\$8,000 (at time of printing)

<sup>1</sup> Solar Homes & Communities Program (SHCP) rebates are subject to qualifying conditions for households with a combined income of under \$100,000. Current at time of printing.

<sup>2</sup> REC rebates are also available to all households and start from around \$500. Your Integrated Solar Solutions consultant can explain how they work and how you can access the financial benefits they offer.

<sup>3</sup> Yearly electricity bill savings are calculated on 5000 kilowatt hour consumption per year for medium energy consumption households and 8000 kilowatt hour consumption per year for high energy consumption households. Please check your electricity bills to calculate current consumption as a guide to likely future needs.

<sup>4</sup> Energy generation is based on solar modules facing north at a 30 degree inclination in Sydney, NSW. Output will vary in areas with higher or lower insolation levels.

<sup>5</sup> Conergy warranties cover solar modules, mounting system and inverter: 25 year limited output warranty on solar modules, 10 years on mounting system and five years on inverter.