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# FACT SHEET

## GRID CONNECT SOLAR SYSTEMS

### *What is Grid Connect?*

Grid Connect is where you install solar (Photovoltaic) panels on the roof of your home with an inverter near your meter box to generate renewable energy to sell back to the grid. Your energy supplier will provide a new Gross meter that records what energy you generate and will credit you 60c per KWH for every kWh that you generate for the quarter. The installation of this meter will be at your cost.

### *What configuration options are there?*

Grid Connect comes in kit form from a 6 panel system up to a 60 panel system. All kits include supply and installation of solar panels (in our local region), inverter, frames and cabling.

### *Which size kit is best for me?*

Grid Connect is about affordability as much as offsetting your total energy usage. You need to decide what your budget allows for and we will recommend the best kit to suit that budget. If complete offsetting of your energy usage is your goal, we will assess your annual energy consumption and recommend the most appropriate kit to meet that goal.

### *What rebates might I be eligible for?*

The new Solar Credits Scheme provides for rebates based on the Renewable Energy Certificate (REC) value of the system.  
Systems between 1kW and 10kW are eligible for the NSW Gross Feed In Tariff of 60c/kWhr.

### *What are the criteria for rebate eligibility?*

- System must have been installed in the last 12 months (after 9th June 2009)
- System must have a total annual output less than 250MWh
- Your annual energy consumption must be under 160MWh
- System must be designed & installed by an accredited BCSE installer

### *Will I be able to use my renewable energy in a blackout?*

No. Grid Connect is typically a battery free installation and as a result, does not store surplus energy for re-use at nighttime or during a blackout.

### *How much less Greenhouse Gas will I produce?*

For every Megawatt Hour (MWh) ( or 1000 kWh) of Renewable Energy produced by your system, approximately 1.08 tonnes of Greenhouse gas production will be saved.

### *How many kWh will a Grid Connect system generate?*

From 1680 kWh/year (1.68 MWh) for a 6 panel system to 8401 kWh/year (8.4 MWh) for a 30 panel system. This equates to a range of 1.81 – 9 tonnes of Greenhouse Gas saved per year.

Accurate as of 27/8/10

<http://www.eurodevices.com.au/>

## BP GRID CONNECT SUMMARY SPREADSHEET 2537 P'CODE

System Size kWatts	Total System Cost	Solar Credits (\$31)		Net Cost	Ave daily output	Annual return @60c.kWhr	Payback in yrs
		REC's	\$Value				
1.02	\$ 8,127.54	90	\$ 2,790.00	\$ 5,337.54	4.69 kWhrs	\$ 844.56	6.32
2.04	\$ 13,723.44	142	\$ 4,402.00	\$ 9,321.44	9.38 kWhrs	\$ 1,689.12	5.52
2.97	\$ 19,145.01	159	\$ 4,929.00	\$ 14,216.01	13.66 kWhrs	\$ 2,459.16	5.78
4.08	\$ 25,171.19	179	\$ 5,549.00	\$ 19,622.19	18.77 kWhrs	\$ 3,378.24	5.81
4.95e	\$ 31,024.99	194	\$ 6,014.00	\$ 25,010.99	22.77 kWhrs	\$ 4,098.60	6.10
6.12	\$ 37,418.66	215	\$ 6,665.00	\$ 30,753.66	28.15 kWhrs	\$ 5,067.36	6.07

## BP GRID CONNECT SUMMARY SPREADSHEET 2536 P'CODE

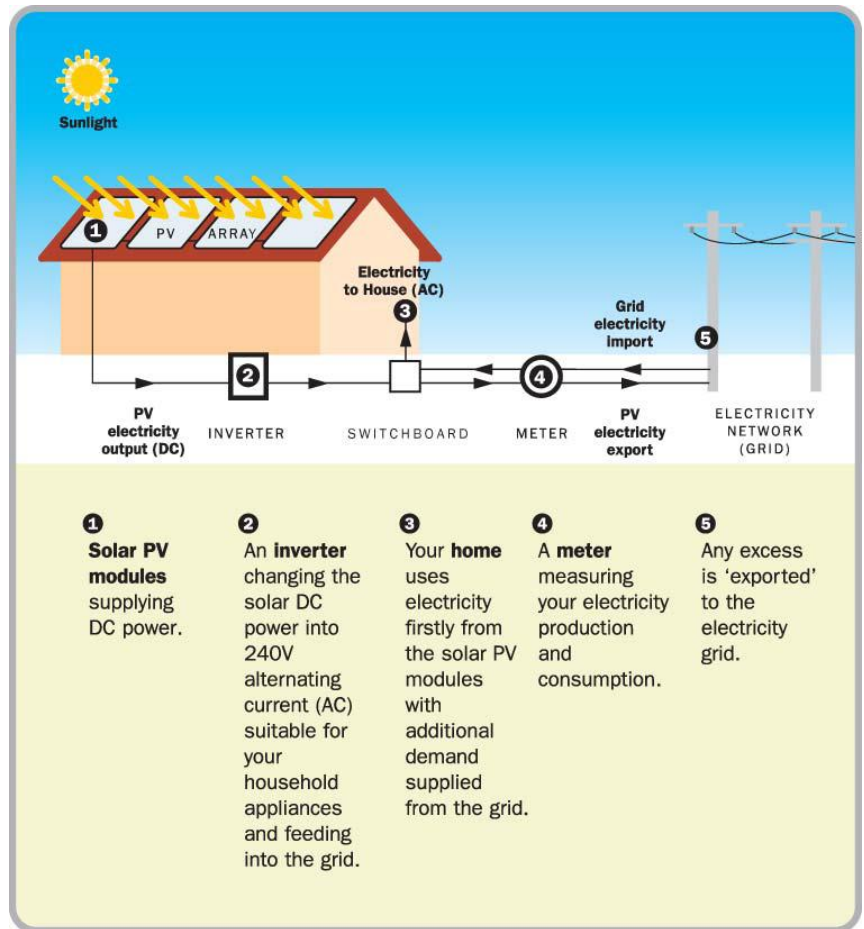
System Size kWatts	Total System Cost	Solar Credits (\$31)		Net Cost	Ave daily output	Annual return @60c.kWhr	Payback in yrs
		REC's	\$Value				
1.02	\$ 8,127.54	105	\$ 3,255.00	\$ 4,872.54	4.69 kWhrs	\$ 844.56	5.77
2.04	\$ 13,723.44	166	\$ 5,146.00	\$ 8,577.44	9.9 kWhrs	\$ 1,689.12	5.08
2.97	\$ 19,145.01	185	\$ 5,735.00	\$ 13,410.01	14.9 kWhrs	\$ 2,459.16	5.45
4.08	\$ 25,171.19	208	\$ 6,448.00	\$ 18,723.19	19.9 kWhrs	\$ 3,378.24	5.54
4.95e	\$ 31,024.99	226	\$ 7,006.00	\$ 24,018.99	24.8 kWhrs	\$ 4,098.60	5.86
6.12	\$ 37,418.66	258	\$ 7,998.00	\$ 29,420.66	29.8 kWhrs	\$ 5,067.36	5.81

\*These prices do not include stands should they be required.

\*Rebates will fluctuate in value depending on the current value of REC's (\$31). These figures are therefore only an indication of the likely value at purchase of a Grid Connect system and not a guarantee of the value of the rebate once applied for.

\*The NSW Solar Bonus Scheme (Gross Feed in Tariff) will credit renewable energy producers 60c per kW/hr from 1/1/10 for 7 years. A 1kW system will return approximately \$844 per year if operating at full efficiency. (Based on 300 sun days per year)

\*The cost of installing a Gross Feed In Meter is not included in these prices.



Typical Grid Connect System Diagram