

# FACT SHEET

## DOMESTIC 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 or microinverters behind every panel to generate renewable energy to use in your home during daylight hours. This will potentially offset approximately 30% of your energy consumption on your electricity bill. You will require a new net feed in meter that records what energy you export to the grid beyond what you use during daylight hours. Most energy retailers pay you for this exported energy. Generally, you can expect to receive between 6.5c and 15c per kWh for this exported energy.

### *What configuration options are there?*

Grid Connect comes in kit form from a 1.65 Kilowatt (kW) system up to a 10.45 Kilowatt (kW) system. All kits include supply and installation of solar panels (in our local region), inverter, feed in meter, frames and cabling.

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

Grid Connect is about affordability as much as offsetting a portion 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 significant offsetting of your energy usage is your goal (up to 30%), we will assess your annual energy consumption and recommend the most appropriate kit to meet that goal. In addition, we can supply a hybrid system that includes battery storage for greater energy and cost savings.

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

The Solar Credits Scheme provides for rebates based on the Small Scale Technology Certificates (STC) value of the system. Systems between 1kW and 10kW are still eligible to access these rebates.

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

- System must have been installed in the last 12 months
- 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 CEC 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 night time or during a blackout. The option of both Grid Connect and backup power in blackouts can however be quoted for.

### *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 2044 kWh/year (2.04 MWh) for a 4 panel system to 13797 kWh/year (13.7 MWh) for a 40 panel system. This equates to a range of 2.4 – 15.9 tonnes of Greenhouse Gas saved per year.

Accurate as of 14/9/17

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

## DOMESTIC GRID CONNECT SUMMARY SPREADSHEET 2537 P'CODE

System Size kWatts	Total System Cost Installed	Solar Credits STC's	\$ 27.00 STC Value	Net Cost after rebate	Ave daily output kWhrs	Household usage kWhrs	Possible annual saving	No. Of years to pay back
1.65	\$ 5,820.00	27	\$ 729.00	\$ 5,091.00	5.6	17	\$ 694.96	7.33
2.2	\$ 6,970.00	36	\$ 972.00	\$ 5,998.00	7.6	23	\$ 943.16	6.36
3.025	\$ 8,790.00	50	\$ 1,350.00	\$ 7,440.00	12.1	36	\$ 1,501.61	4.95
4.125	\$ 11,120.00	68	\$ 1,836.00	\$ 9,284.00	15.1	45	\$ 1,873.91	4.95
5.225	\$ 13,320.00	86	\$ 2,322.00	\$ 10,998.00	19	57	\$ 2,357.90	4.66
10.45	\$ 22,776.00	173	\$ 4,671.00	\$ 18,105.00	37.8	113	\$ 4,690.98	3.86

## DOMESTIC GRID CONNECT SUMMARY SPREADSHEET 2536 P'CODE

System Size kWatts	Total System Cost Installed	Solar Credits STC's	\$ 27.00 STC Value	Net Cost after rebate	Ave daily output kWhrs	Household usage kWhrs	Possible annual saving	No. Of years to pay back
1.65	\$ 5,820.00	31	\$ 837.00	\$ 4,983.00	5.6	17	\$ 694.96	7.17
2.2	\$ 6,970.00	42	\$ 1,134.00	\$ 5,836.00	7.6	23	\$ 943.16	6.19
3.025	\$ 8,790.00	58	\$ 1,566.00	\$ 7,224.00	12.1	36	\$ 1,501.61	4.81
4.125	\$ 11,120.00	79	\$ 2,133.00	\$ 8,987.00	15.1	45	\$ 1,873.91	4.80
5.225	\$ 13,320.00	101	\$ 2,727.00	\$ 10,593.00	19	57	\$ 2,357.90	4.49
10.45	\$ 22,776.00	202	\$ 5,454.00	\$ 17,322.00	37.8	113	\$ 4,690.98	3.69

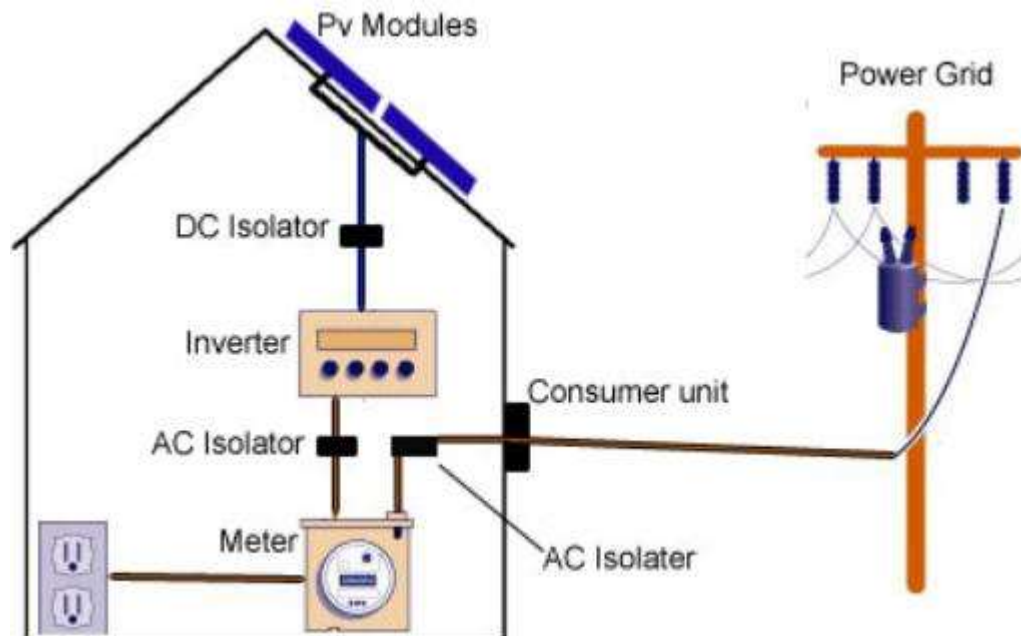
\*These prices **do include** all materials and labour for a standard installation as well as a net feed in meter where only one meter is to be replaced.

\* These prices **do not include** stands should they be required and assume fixing to a colorbond North facing roof at an appropriate angle between 18-30 degrees.

\*Rebates will fluctuate in value depending on the current value of STC's and are based on the STC price on the day of rebate form submission after system installation and commissioning.

\*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 possible annual savings assume full sun on a North facing roof at a suitable angle and will be affected significantly by shade or orientation away from North.



Typical image of the key elements required in a Grid Connect Solar System.