

Rainbow Power Co. Grid-Feed Solar Systems

Solar Panels			Inverter		Energy ☀	CO2 reduction	System Costs	STC's ‡		Final Cost Ⓜ	
kW	Qty x Watts	Brand	Watts	Brand	kWh/Day	tons/year	Total	Qty	Value		
1.14	6	190	Trina	1600	Latronics	4.6	1.8	\$ 6,190	70	\$ 2,240	\$ 3,950
1.52	8	190	Trina	1600	Latronics	6.1	2.4	\$ 7,216	93	\$ 2,976	\$ 4,240
2.28	12	190	Trina	3100	Latronics	9.1	3.7	\$ 11,948	109	\$ 3,488	\$ 8,460
1.14	6	190	Trina	1200	SMA	4.6	1.8	\$ 6,760	70	\$ 2,240	\$ 4,520
1.52	8	190	Trina	1700	SMA	6.1	2.4	\$ 7,906	93	\$ 2,976	\$ 4,930
1.90	10	190	Trina	1700	SMA	7.6	3.1	\$ 9,152	101	\$ 3,232	\$ 5,920
3.04	16	190	Trina	3000	SMA	12.2	4.9	\$ 14,670	125	\$ 4,000	\$ 10,670
3.80	20	190	Trina	3800	SMA	15.2	6.1	\$ 17,480	140	\$ 4,480	\$ 13,000
5.32	28	190	Trina	5000	SMA	21.3	8.5	\$ 25,014	172	\$ 5,504	\$ 19,510
6.84	36	190	Trina	7000	SMA	27.4	11.0	\$ 32,046	203	\$ 6,496	\$ 25,550
9.12	48	190	Trina	10000	SMA	36.5	14.6	\$ 39,002	251	\$ 8,032	\$ 30,970
1.62	12	135	Kyocera	1700	SMA	6.5	2.6	\$ 10,220	95	\$ 3,040	\$ 7,180
2.43	18	135	Kyocera	2500	SMA	9.7	3.9	\$ 14,234	112	\$ 3,584	\$ 10,650
4.05	30	135	Kyocera	3800	SMA	16.2	6.5	\$ 22,112	146	\$ 4,672	\$ 17,440
5.13	38	135	Kyocera	5000	SMA	20.5	8.2	\$ 30,086	168	\$ 5,376	\$ 24,710
7.56	56	135	Kyocera	8000	SMA	30.2	12.1	\$ 38,816	218	\$ 6,976	\$ 31,840
10.13	75	135	Kyocera	10000	SMA	40.5	16.3	\$ 54,174	272	\$ 8,704	\$ 45,470

How It Works and Points to Consider

- The inverter converts the power from the solar array to 240V AC in order to power your home.
- The power produced by the system will be used in your house first and any excess will be sold back to the electricity grid.
- NSW does not have a feed in tariff. This means that any power exported to the electricity grid will be sold for 0¢ per kWh, we recommend you negotiate with your supplier for a better rate.
- All power used from the system will offset your bill by the rate at which you purchase your power. If the rate increases, so do your savings.
- If you require a power system that continues providing power in case of grid failure you will need batteries. Any of the SMA inverters and the 1600 Watt Latronics inverter can be incorporated into a battery backup system to give you emergency power in the event of a grid failure.
- Our staff can tailor our designs to meet your specific requirements.



☀ Based on a very conservative 5 Peak Sun Hours (PSH) at 80% system efficiency (inverter and cable losses etc.)

‡ Small Scale Technology Certificates (STCs) based on an anticipated value of \$32 per certificate.

Ⓜ The above pricing guide is based on the installation being less than 50km from Nimbin on a single storey tin roof and the STCs paid to Rainbow Power Company. Price may vary due to roof type, pitch, cable distances, materials required and site access.



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