

Grid Connect Solar Electricity

tindo
solar



Price List

(September 2013 - SA)

Call 1300 TINDO SOLAR

1300 846 367 or visit www.tindosolar.com

Factory Address

6 Second Avenue
Mawson Lakes SA 5095
info@tindosolar.com



FAQ (Frequently asked questions)

How does a Grid Connect Solar System work ?

Solar panels convert sunlight into electricity which can be used to power your home or business. Any excess electricity is fed out into the main electricity grid and is bought by your energy company. You can reduce your power bill significantly so that you have little or nothing to pay. You will also reduce your household's greenhouse gas emissions by several tonnes per year.

What's an inverter ?

The grid connect inverter converts the DC electricity from your solar panels into 240VAC electricity. Inverters can be a single centralised unit or you can have one inverter per solar panel. Both centralised and decentralised inverters can give expandability to your grid connect solar system.

Are all solar panels created equal ?

No they are not. It is vitally important that the ingredients used in a solar panel are up to the job. At Tindo, we have selected ingredients from manufacturers with a long history in providing quality materials to the solar panel industry. So many manufacturers underestimate the power of the Australian sun. Tindo does not cut corners with materials. It is also very important how a solar panel is manufactured. Tindo uses has a highly automated manufacturing plant with robotic control at every stage of manufacture coupled with rigorous quality checks. Tindo Solar panels are 100% electroluminescence and flash tested.

What sort of inverters does Tindo use ?

We use SolarBridge inverters on our AC solar panels. They are great as they are rated at 85degC, have an IP67 moisture and dust resistance, they are fully potted, they use thin film capacitors (not electrolytic capacitors), they have integrated earthing built in to them, they have reactive power control for future smart grids and they are designed from the ground up to be fitted especially to a solar panel. So we are able to install them on our production line whilst we manufacture our solar panels. For DC systems, we use SMA as our first choice. We also use Power-One inverters for some systems when the configuration requires us to do so.

What are some of the benefits of solar electricity ?

Benefits provided by a grid connect solar system include reduced greenhouse gas emissions, reduced electricity bills, ongoing energy savings and an enhanced property value.

Where should the panels be installed ?

Panels are usually mounted on the roof of your house, shed or garage. They can be also be mounted on the ground. Solar panels are located to maximise exposure to the sun and to minimise shading. A north facing roof at 30° is optimum however orientation within 45° east or west of north results only in marginal energy losses.

Is there any Government support to install solar panels ?

The Federal Government Renewable Energy Target legislation requires energy companies to source a percentage of their electricity from renewable sources such as solar panels. When you install solar panels, your solar system's green energy is aggregated and sold to an polluting power company. This is done by way of Small Technology Certificates or STC's. Tindo Solar organises the paperwork for the creation of your STC's and reduces the cost of your solar system accordingly

Who installs the system ?

Tindo Solar organises the installation by CEC accredited installers. Installation will typically take one day for a 5kW system.

How much maintenance is required ?

Very little, apart from keeping your solar panels clean. The panels are guaranteed for up to 25 years.

What happens if the grid goes down ?

Your system is designed to automatically shut down too. This is because the electricity supply authority requires that your system be isolated from the grid for safety reasons during a blackout.

Which system should I buy ?

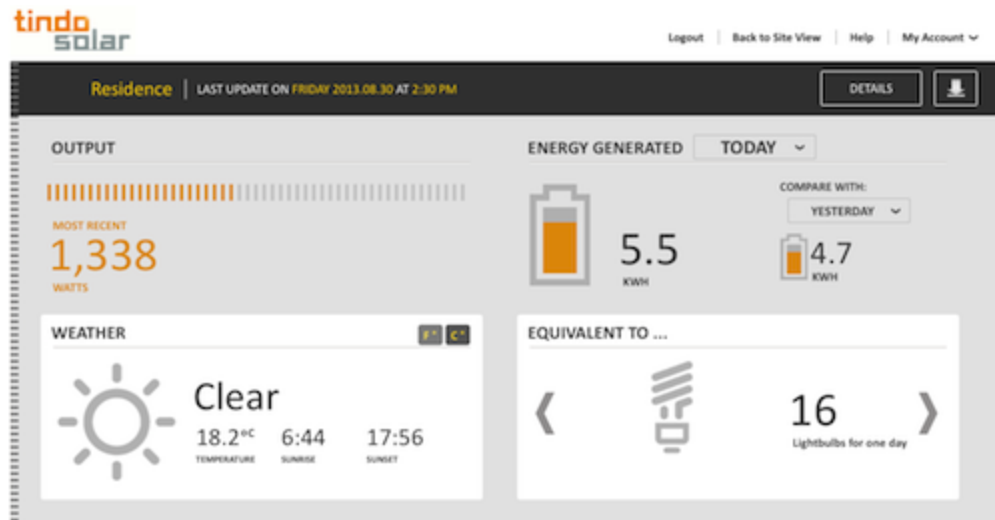
Most commonly people start with a 5kW solar system. This system is generally of a good size to run an energy efficient household.

Will you visit my home or property to quote ?

Absolutely! Just contact Tindo Solar. One of our energy consultants will work with you to come up with the best solar system to suit your needs and budget. Our custom design software enables us to place panels on your roof to give you an idea of how a solar system on your home or business may look.

Tindo Solar Offers AC & DC Solar Panels

Tindo AC solar panels each come with their own individual inverter which is fitted during the Tindo Solar module manufacturing process. The Tindo AC solar panel has some advantages over traditional DC/string inverter systems:



- **Higher Energy Yield**, especially in areas subjected to shade such as small pipes, chimneys, parapet walls;
- **Individual Panel Monitoring**, to ensure system is operating at its expected optimum via an online application;
- **Reduced Fire Risk**, as DC Voltage from each panel is limited to less than 40 Volts as opposed to DC panels that can operate up to 1,000 Volts;
- **25 Year Performance Warranty** on both the solar panel and also on the integrated inverters. This is unique to the Australian market as most central inverters have a 5 year warranty which does not match the usual 25 year panel warranty;
- **Integrated**, with and designed for the Tindo Karra-250 panel;
- **Modular**, expansion of the system can be done at any time without needing to re-engineer the system or add more than you require. Simple add one panel at a time;
- **Redundancy**, with no single point of inverter failure. In the event of an inverter problem, you don't lose a big chunk of your solar system. You only lose a single panel;
- **Eliminates PID risk**, as Potential Induced Degradation only effects solar systems that operate >200Vdc.

TINDO SOLAR DC PRICE LIST

Zone 3

September-2013

	2.0 kW	3.0 kW	4.0 kW	5.0 kW	6.0 kW	10.0 kW	15.0 kW
Qty of Tindo Karra DC Panels	8	12	16	20	24	40	60
Inverter	SMA SB2000HF	SMA SB3000HF	SMA SB4000TL21	SMA SB5000TL21	Power-One PVI-6000- TL-OUTD	SMA SB5000TL21	SMA STP15000TL
System Price	\$5,859	\$8,092	\$10,540	\$12,853	\$14,496	\$25,513	\$36,063
Installation	\$1,166	\$1,298	\$1,430	\$1,562	\$1,694	\$2,222	\$2,882
STC	\$1,435	\$2,170	\$2,870	\$3,605	\$4,340	\$7,245	\$10,850
Net Price	\$5,590	\$7,220	\$9,100	\$10,810	\$11,850	\$20,490	\$28,095



EXCLUSIVE OFFER

SEPTEMBER SPECIAL OFFER

Buy 10 panels - get one bonus panel **FREE**

Buy 20 panels - get two bonus panels **FREE**

Buy 30 panels - get three bonus panels **FREE**

TINDO SOLAR AC PRICE LIST

Zone 3

September-2013

	2.0 kW	3.0 kW	4.0 kW	5.0 kW	6.0 kW	10.0 kW	15.0 kW
Qty of Tindo Karra AC Panels	8	12	16	20	24	40	60
System Price	\$6,359	\$9,292	\$12,220	\$15,253	\$18,186	\$30,373	\$45,128
Installation	\$946	\$1,078	\$1,210	\$1,342	\$1,474	\$2,002	\$2,662
STC	\$1,435	\$2,170	\$2,870	\$3,605	\$4,340	\$7,245	\$10,850
Net Price	\$5,870	\$8,200	\$10,560	\$12,990	\$15,320	\$25,130	\$36,940

Please Note

1. Installation is for a single flat mounted on a single storey corrugated iron roof. Multi story roofs, tiled roofs will incur extra costs.
2. Your electricity utility may require an import/export meter to be installed at extra cost to you.
3. The above prices include travel within 50km of ADELAIDE.
4. The above specifications are subject to change without notice.

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