



SilexSolar
Australian Clean Energy

Company Profile





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*SilexSolar' produces "high-performance"
PV solar cells and panels on a commercial scale
and at lowest cost using optimised processes in
its mass production of cells and panels.*

Solar Cell Manufacturing At Sydney Olympic Park

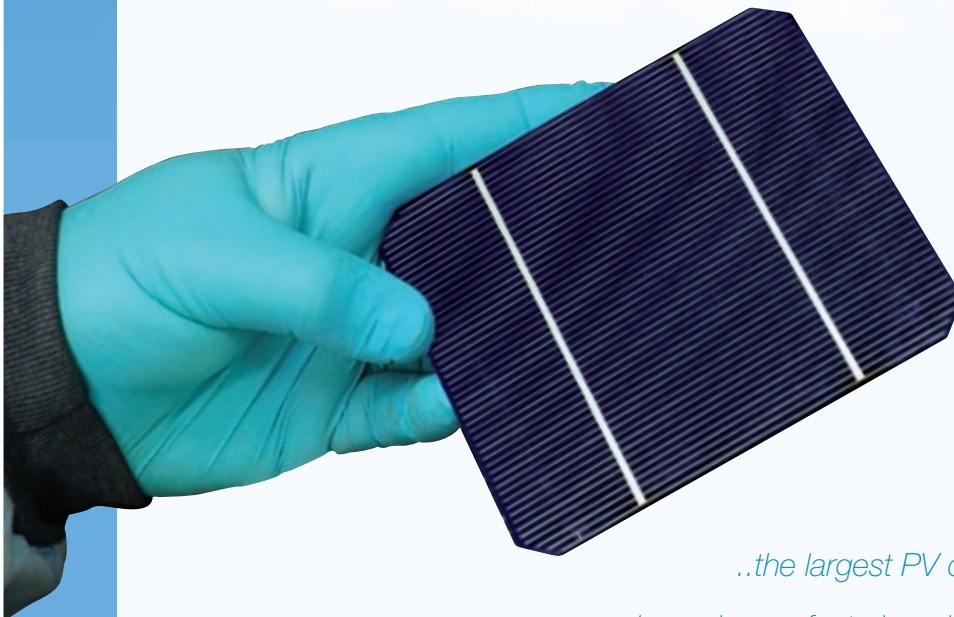
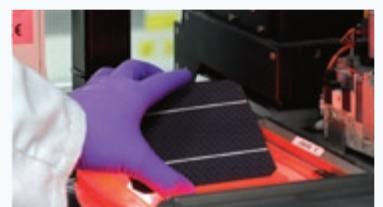
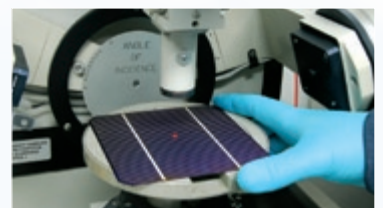
SilexSolar has the largest PV cell and panel manufacturing plant in the southern hemisphere with an annual production capacity of 50MW. Also housed on site are: R&D and test facilities, engineering workshops, sales and administration offices, and a purpose-built warehouse to cater for raw and finished goods.

SilexSolar is committed to the continuous improvement of manufacturing processes and product quality, with minimal environmental impact. SilexSolar is implementing an integrated management system consistent with ISO 9001 (Quality), ISO 14001 (Environmental) and ISO 18001 (OH&S) international standards.



From raw material to finished solar panels

SilexSolar is located in the heart of the very modern high-tech precinct of Sydney Olympic Park (SOP) which is located some 15km from Sydney's Commercial Business District (CBD).



*..the largest PV cell
and panel manufacturing plant
in the southern hemisphere...*



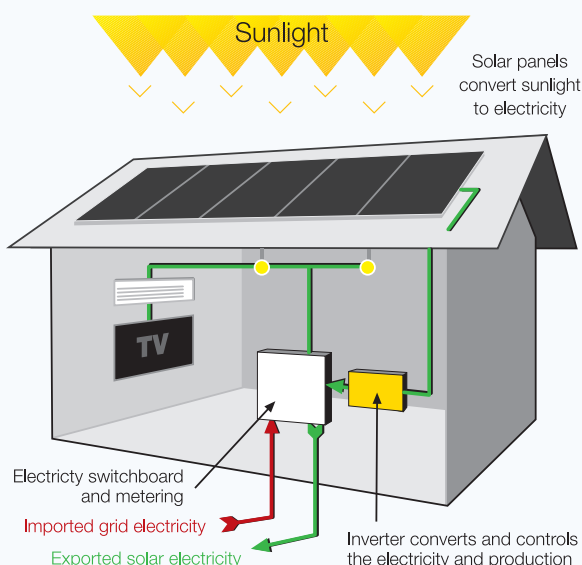
A single 2kW solar power system from SilexSolar will reduce CO2 emissions by about 3 tonnes per year...

PV Solar Solutions

SilexSolar panels are ideal PV power generators suitable for easy integration into all residential and commercial applications.

SilexSolar's attractive (solar) conversion efficiency and its high power generation per square area means it requires less deployment space and less or simpler Balance of Systems equipment, thus minimising overall systems cost.

- All SilexSolar panels come with a comprehensive 25 year power warranty, maximising consumer assurance.
- SilexSolar panels are supplied with 'quick-connect leads' enabling simple, safe and fast electrical interconnection, thus enhancing installer safety, minimising installation time and cost.
- SilexSolar panels come with easy to install pre-drilled aluminium frames making them suitable for most common mounting surfaces such as house and commercial roofs and dedicated panel mounting structures.
- SilexSolar panels can be connected for 'stand-alone PV applications', i.e. the system has its own battery energy storage. In this instance, panels are usually connected in multiples of nominal 24VDC, i.e. 24, 48 etc. SilexSolar panels can also be readily used with 'On-Grid' applications, i.e. where there is no battery storage and power is exported for credit back to the grid (ideal where Feed In Tariffs exists)



Potential Owner Benefits

Government Incentives

SilexSolar can assist home owners to understand and help them maximise the financial benefits that may arise from Government incentives such as rebates, tax credits, and even a Feed-In tariff be it Gross or Net.

Renewable Energy Credits (RECs)

In certain circumstances, the PV home owner can be rewarded through the sale of emission off-sets and/or Renewable Energy Credits (RECs).

Peak Electricity Cost Savings & Feed In Tariffs

Electricity produced by the home owner's PV system will reduce demand from the electricity grid and save money, particularly during peak daytime and summertime load periods, which coincidentally matches the peak generation interval of PV. The peak electricity tariffs may vary significantly to the off-peak rate, and therefore reducing peak consumption from the grid in this period is highly beneficial. In addition to 'peak-shaving', PV generated electricity may generate substantial income for the home owner by way of a generous Feed-In-Tariff.

Refer to your electricity provider for specific Feed In Tariff details that may apply to your situation.

Hedge Value

Energy prices are volatile and there is the inevitable prospect of much higher electricity prices. SilexSolar panels will help cushion these effects, especially the anticipated electricity price hikes at peak times.

Independence and Security

PV is a sustainable resource, and hence having a proportion of your energy needs met this way, will mitigate your dependence on other energy sources.

Our factory has produced over 250MW of solar cells and solar panels which have been used in Australia and exported to Asia, Europe and America.



Why choose SilexSolar?

Proven Manufacturing Capabilities

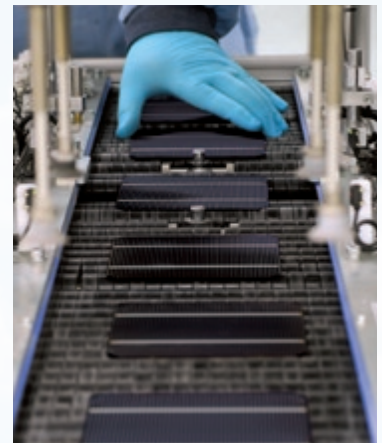
SilexSolar's modern solar cell and solar panel manufacturing facility is located in the heart of Sydney Olympic Park (SOP) business precinct. The SOP solar manufacturing plant was originally commissioned in 2000 by former owner BP Solar, but has undergone numerous expansions and upgrades to keep it in line with the latest production advancements. Since year 2000, SOP has produced over 250MW of solar cells and solar panels which have been used in Australia and exported to Asia, Europe and America.

World-class Expertise

SilexSolar's organisation is world-class. The organisation's core team is comprised of highly experienced and well respected PV industry experts working across a range of disciplines from cell and panel R&D, large-scale PV commercial fabrication, PV system design, project sales and marketing. Many staff have over 20+ years of work experience, and consequently SilexSolar has retained a deep understanding of the PV development industry and the needs of its customers.

High-End PV Cells and Panels

SilexSolar' produces "high-performance" PV solar cells and panels on a commercial scale and at lowest cost using optimised processes in its mass production of cells and panels. SilexSolar cells and panels result in lower \$/W costs. SilexSolar PV systems will deliver lower LCOE (Levelised Cost of Electricity) compared with other conventional PV product.



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MEMBER



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