

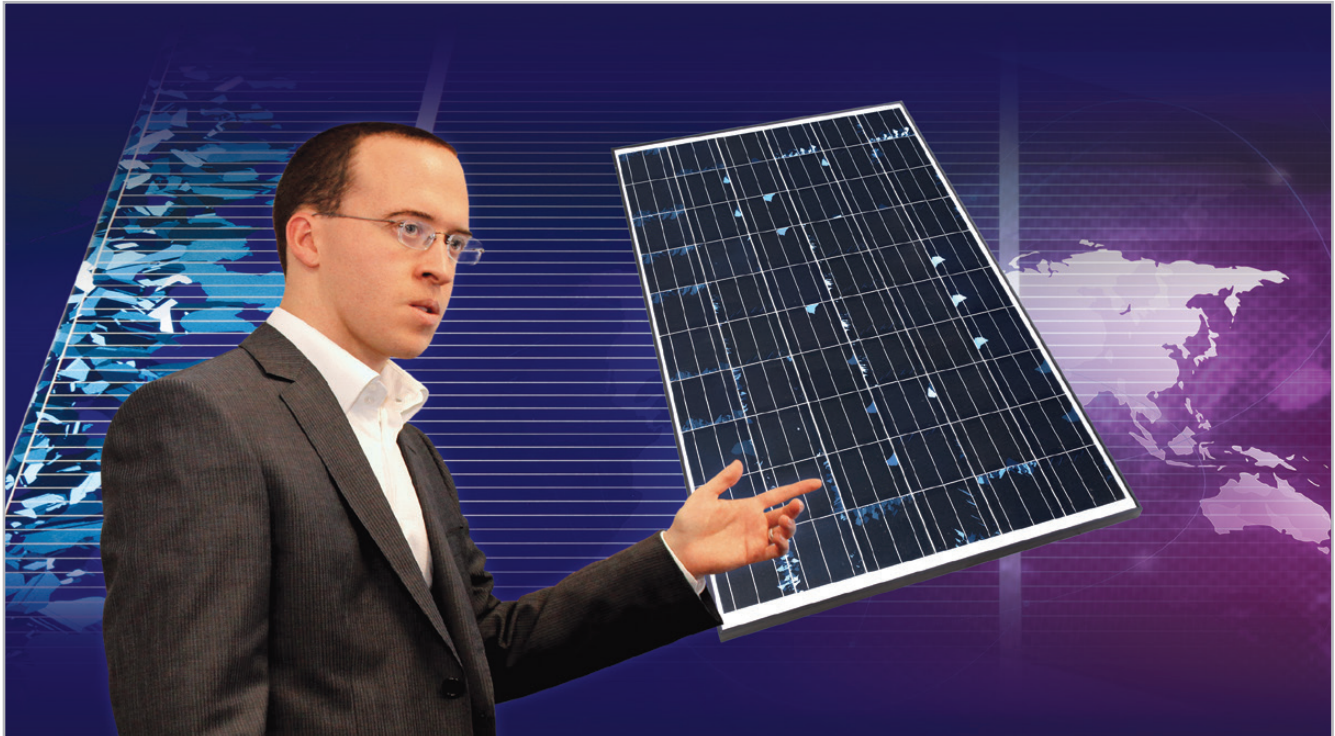
When quality, performance and reliability matter...



Solar Rental Company

**The future is bright with Sungrid,  
Cool or Cosy & Solar Rental Company.**  
Quality & support guaranteed.





Serious about innovation: Sungrid founder Phil Livingston talking about the benefits of the new quasi cell technology in the latest line of Sungrid modules

Performance through innovation. Quality you can rely on.

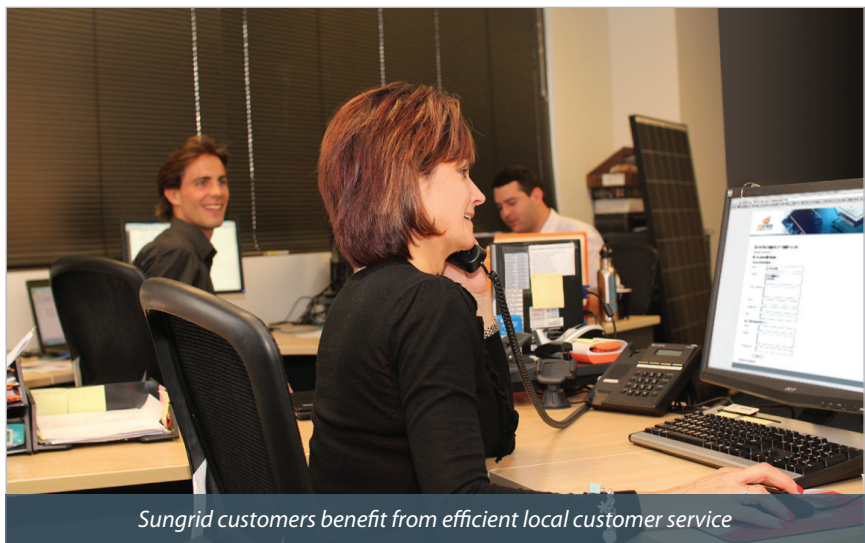
Sungrid distributes high quality solar photovoltaic (PV) modules to customers all around Australia. Only the best quality components are used in the Sungrid branded product which means we are able to provide **peace of mind** with industry-leading warranties.

Quality control, product performance and operational integrity underpin everything we do. When choosing solar as a long term renewable energy source, Sungrid believe consumers need to be confident that what they are buying is safe, manufactured in accordance with its product certification and most of all deliver on its promise.

Read on as we take you behind the scenes to reveal how Sungrid achieves this .....







Sungrid customers benefit from efficient local customer service

**How would my choice of Sungrid solar modules benefit me, now and in the future?**

When you buy Sungrid modules for your solar PV system, you are buying into an Australian company with a proven track record of quality solar PV product development. Sungrid's headquarters is in NSW and we provide nationwide sales, customer service and technical support for any of your future needs. This ensures **peace of mind** that you will be dealing directly with a locally based technically proficient team.

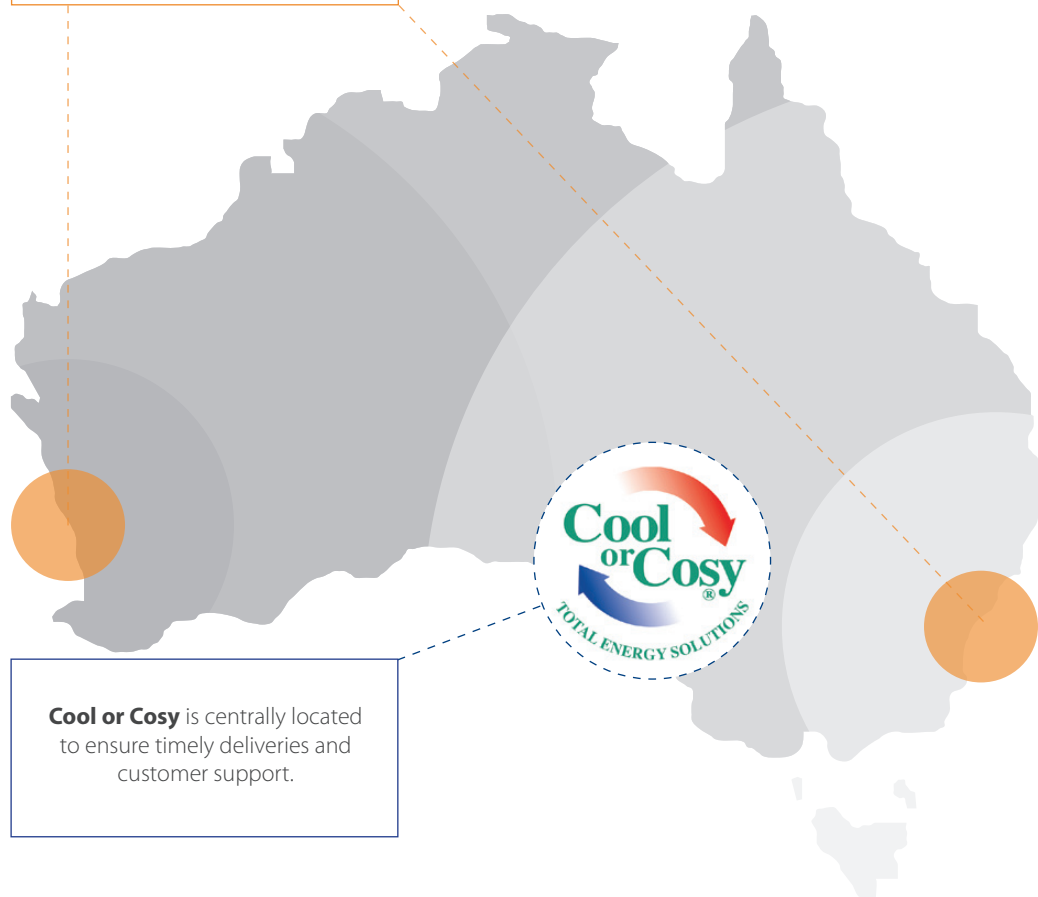


Sungrid Engineer Nick Blackman and Quality Inspector Rebecca Wang at work

**Are all solar modules manufactured and tested the same way?**

No. At Sungrid we meet all certification standards and provide a level of **quality control** which goes well beyond these. This includes pre-assembly component checks, module assembly checks (Electroluminescence and Gel content tests), performance testing (Flash tests) and ongoing random module testing, all by our Australian Engineers within ISO 9001 rated facilities. This ensures that you get the **quality** and **performance** you expect and pay for.

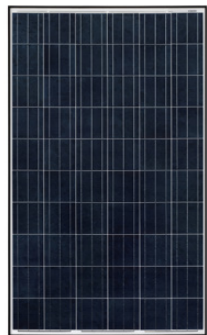
Sungrid has inhouse logistics and warehousing on both the West Coast and East Coast that ensure timely deliveries of Sungrid PV modules around Australia.



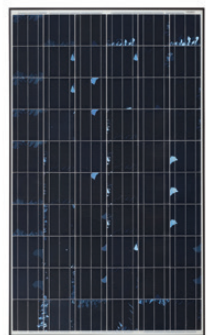
**Cool or Cosy** is centrally located to ensure timely deliveries and customer support.



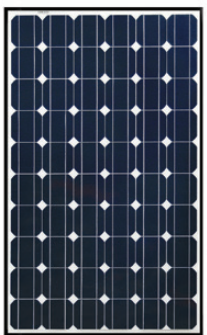
Above images: Sungrid modules powering residential customers around Australia



Sungrid Poly



Sungrid Quasi



Sungrid Mono

**Why are Sungrid solar modules value for money?**

Sungrid embraces a "best of field" approach to PV module components. This includes the use of high yield cells, high quality encapsulant, fully sealed junction boxes, crimped, anodised aluminium frames and premium ancillary materials. Through our solar PV module development and detailed testing we ensure that all components and processes are of the highest quality, and as such they will perform to, or above, their certified expectations. Our **superior performance warranties, positive power tolerances** and **10 year product warranty** back this up.

**Sungrid modules are certified according to the:**

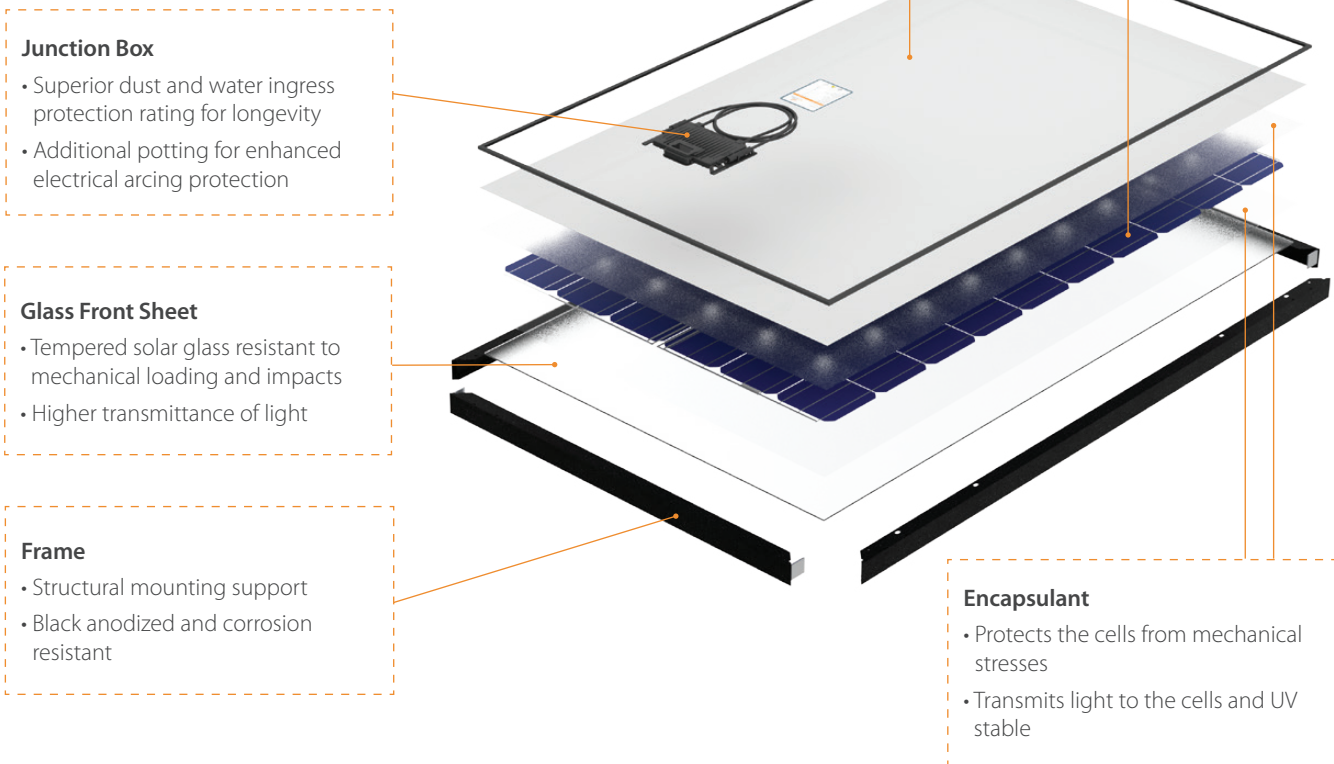
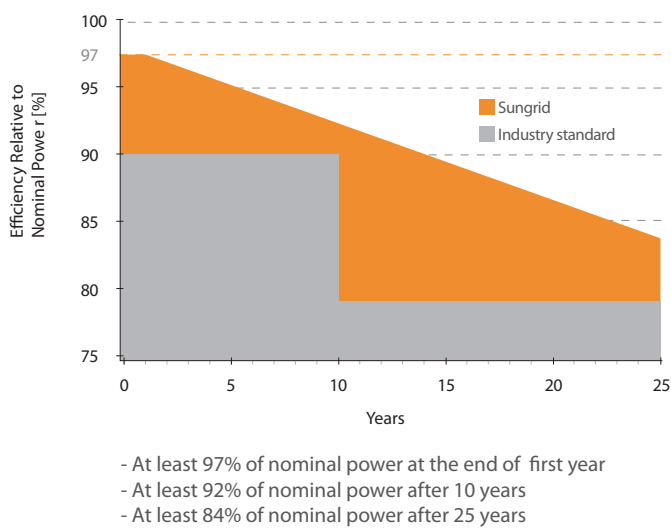
- International standards IEC/EN 61215 ed. 2 (tests quality, durability and reliability of modules) and IEC/EN 61730 (tests electrical and mechanical safety).
- Local Australian Standard AS5033 and approved by the Clean Energy Council.



### Quality component technology every step of the way

Our attention to detail is due to our wealth of experience in the Solar PV industry. Solar modules sit on rooftops for 25 years or more and can take quite a beating from the natural elements. That is why every component part used in a Sungrid module is sourced from only the best international PV module component specialists. Our PV modules are made for high performance, high efficiency and operational longevity. We do not substitute cheap components for the original certified bill of materials, nor do we sacrifice quality at any stage of the production process.

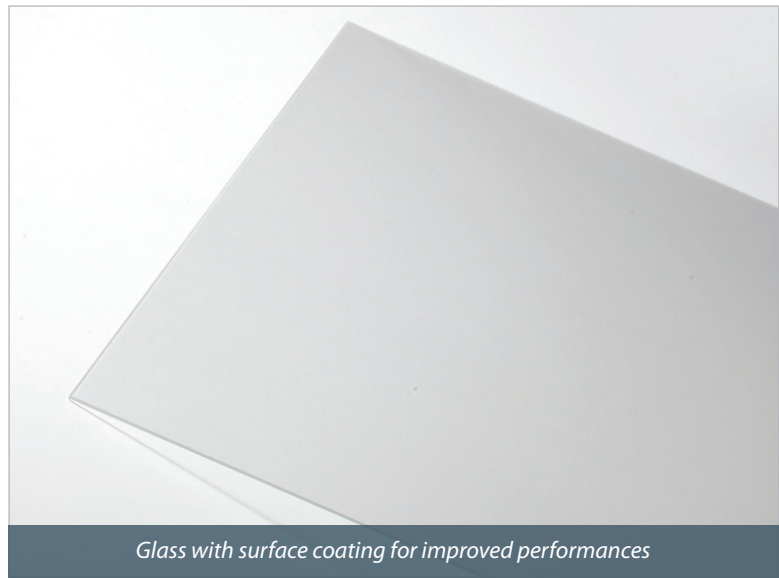
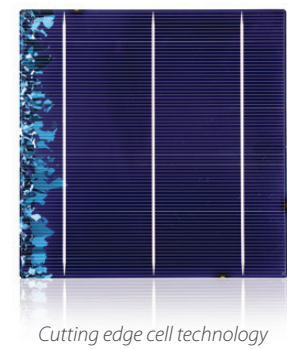
### Sungrid performance warranty



### A zero tolerance approach on defects

All Sungrid commissioned manufacturing facilities maintain internationally accredited quality assurance processes. This provides us, and our customers, with a high level of confidence in the quality of our products which is supported by our warranties. The length of the module warranty is a direct reflection of the confidence a producer has in its own product.

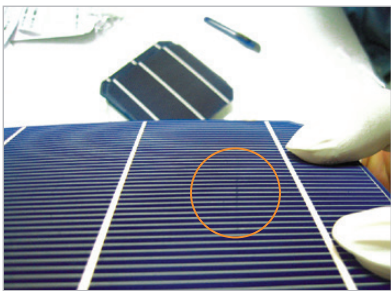
Sungrid provides technical support to its manufacturers and assesses all component supplies, manufacturing processes and facilitates the strictest of quality control programmes.





Pre-assembly checks

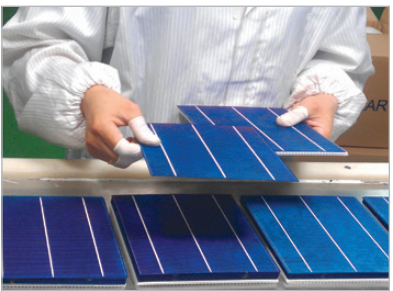
- Certified material used
- Storage conditions checked
- Materials integrity checked



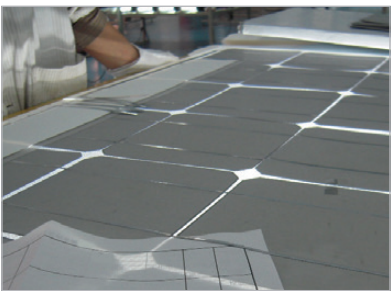
Visual inspection, scratch spotted

Module assembly visual checks

- Cell Sorting
- Soldering
- Layup
- Laminating



Cells sorted by colours

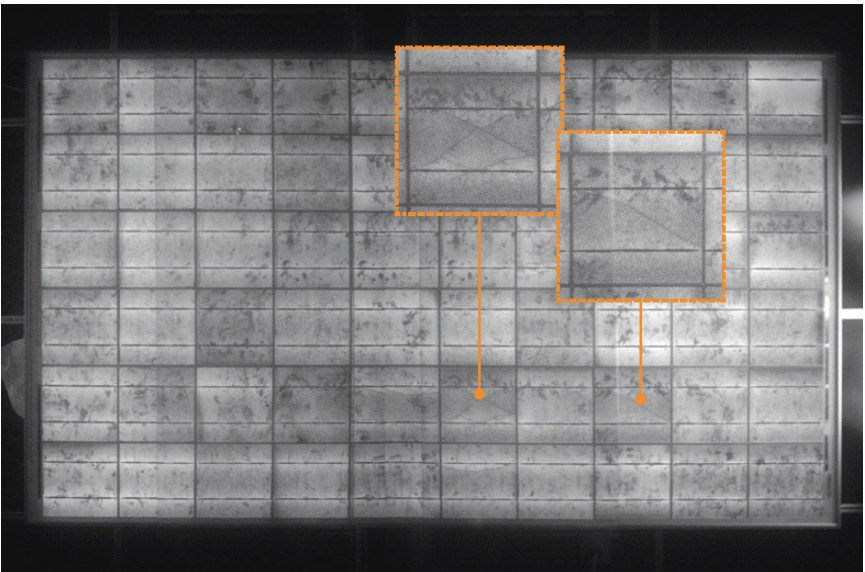


Soldering defect spotted at layup stage

Module quality in depth inspection

Manufacturing Tests:

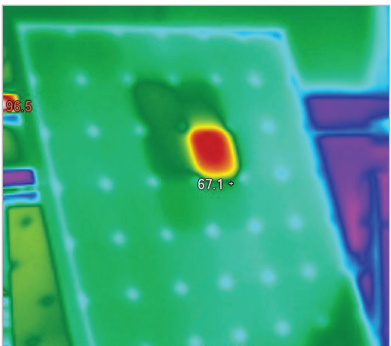
- **100% Electroluminescence (EL) Test:** to check for non-visible micro cracks and other cell defects.
- **100% Flash Test:** to check the module power output is within specified tolerances.



Electroluminescence Inspection – micro cracks detected. Amongst other defects, micro cracks can lead to hotspots. Hotspots result from the bad conduction/evacuation of the generated current which is critical as it can lead to the potential failure of the modules.

Local Tests:

Australian based scientific tests are performed with the support of the School of Engineering and Energy at Murdoch University for technical knowledge development.



Infra Red Imaging – hotspot detected. Image courtesy of Murdoch University.



Halliday Shores, Black Head Beach, NSW

- 45 x 1.0 kW systems installed
- Sungrid 175 watt modules



Cairns Courthouse, QLD

- 63.8 kW
- 336 x 190 watt Sungrid modules



We live in an over 50's residential estate and when looking to lower our carbon footprint and reduce our electricity bill our preferred installer recommended solar panels distributed by Sungrid.

After plenty of homework, a total of 165 installations were carried out at Oyster Cove Residential Resort.

To date we are very pleased with our Sungrid panels and believe they are performing as efficiently today as when they were first installed. Further, we have peace of mind in the knowledge that Sungrid provide a local Australian warranty in the event of any future issues.

We would have no hesitation in highly recommending Sungrid as a provider of first class solar panels.

**Graham & Ann Scott**

We recently built a new home and being power conscious we researched to have the best possible solar powered system installed at the right price.

We found that the majority of the panels on the market to be very similar to each other however, we chose to go with the Sungrid's panels as the company has an extensive quality control procedure and support basis both in Perth and offshore. This back-up made our decision very easy when considering the panels have a life expectancy of over 25 years.

Our business was handled in a professional, efficient and friendly manner and therefore highly commends Sungrid for helping us make the right investment decision.

**Ian & Silvana Ricciardi**

I have a 1.3 kW Sungrid PV system on my roof and it has performed faultlessly since it was installed last winter. I have not had to pay any electricity bills, apart from the installation costs, since the system was installed.

**Philip Jennings**

Image Credits:  
Cairns Courthouse, QLD - image courtesy Infinity Solar.  
Halliday Shores, Black Head Beach, NSW - image courtesy Solar Save.



All Sungrid Modules are subject to continuous development and their specifications can change and may differ from those outlined in this publication. Your Sungrid Dealer will always have the latest information. The name "Sungrid", together with the tag line "Innovative Energy Solutions" and the "Sungrid logo mark" are registered trademarks.

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