




Solar components selection guide

SOLAR PANELS



Whilst Infinite Energy can source most panels on the market we believe these panels stand out as superior. Here is a comparison:

			
Manufacturers presence in Australia <small>Warranty and service</small>	✓	✓	✓
Country of manufacture	China	Singapore (Designed in Norway)	Multiple
Product Warranty	10 YEARS	12 YEARS	25 YEARS
Power Tolerance <small>Indicates the output range for individual panels</small>	0/+3%	0/+5W	0/+5%
Temperature Co-efficient (Power) <small>How much a panel will de-rate in heat - the lower the better</small>	-0.44%	-0.40%	-0.38%
Frame Thickness	35 mm	38 mm	46 mm
Performance Warranty	25 YEARS LINEAR	25 YEARS LINEAR	25 YEARS LINEAR
Junction Boxes IP rating (The higher the better) <small>How protected the internal circuitry is from dust and water ingress.</small>	IP65	IP67	IP65

Infinite Energy will only supply solar panels that have:

An Australian Presence:

- ✓ Manufactured by a large reputable international company with a significant presence in Australia.
- ✓ Manufacturer has a warranty process and service support that is accessible in Australia.

Quality Manufacturing Processes:




- ✓ Infinite Energy is satisfied that there are stringent quality control processes and procedures.

SYSTEM INVERTERS



A crucial component of your Home Solar Energy System is the inverter. The inverter convert the DC electricity produced by the solar panels into AC electricity that your home and the grid utilise.

Infinite Energy recommends opting for a high quality inverter that has Australian warranty support. Below are some features to compare:

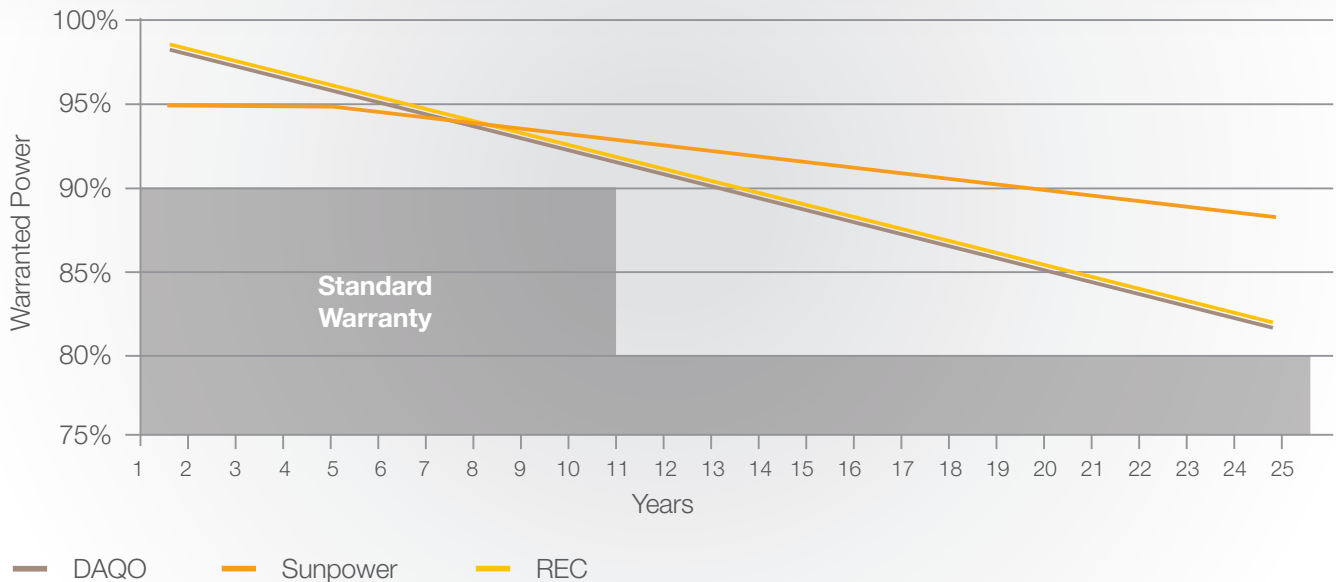
			
Country of manufacture	China	Austria	Germany
Product Warranty	5 years Extendable to 10 years with online client registration	5 years +5 years free	5 years Extendable to 20 years
Location of Warranty support	Australia	Australia	Australia
Communication	WiFi	WiFi (3kW)	Blue Tooth & PC
MPPTS	Dual	Single	Dual (3KW+)

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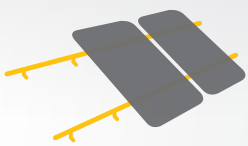
PERFORMANCE WARRANTY COMPARISON



Each of the solar power components supplied by Infinite Energy is backed up by a quality warranty. As a quick guide: All of the solar panels we supply come with at least a 10 year product warranty and a 25 year linear performance warranty. All of the inverters we supply come with at least a 5 year warranty as standard.



SOLAR PANEL MOUNTING SYSTEM



The mounting system physically connects the solar panels to your roof. It is important to make sure this component is of high quality.

The mounting system is a crucial component of a solar array as it will be subjected to major environmental stresses. Infinite Energy only use premium corrosion resistant mounting systems that are guaranteed for 10 years.

The systems used are all made from the highest of quality aluminium, they have a highly versatile design with adjustability to suit any size job. All racking used will withstand wind speeds up to 88 metres per second.



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