

# Solar component 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:

	DAQO NEW ENERGY	REC Solar	SUNPOWER
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	+5/-0%
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	45mm	38mm	46mm
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

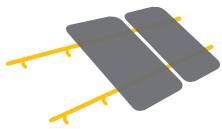
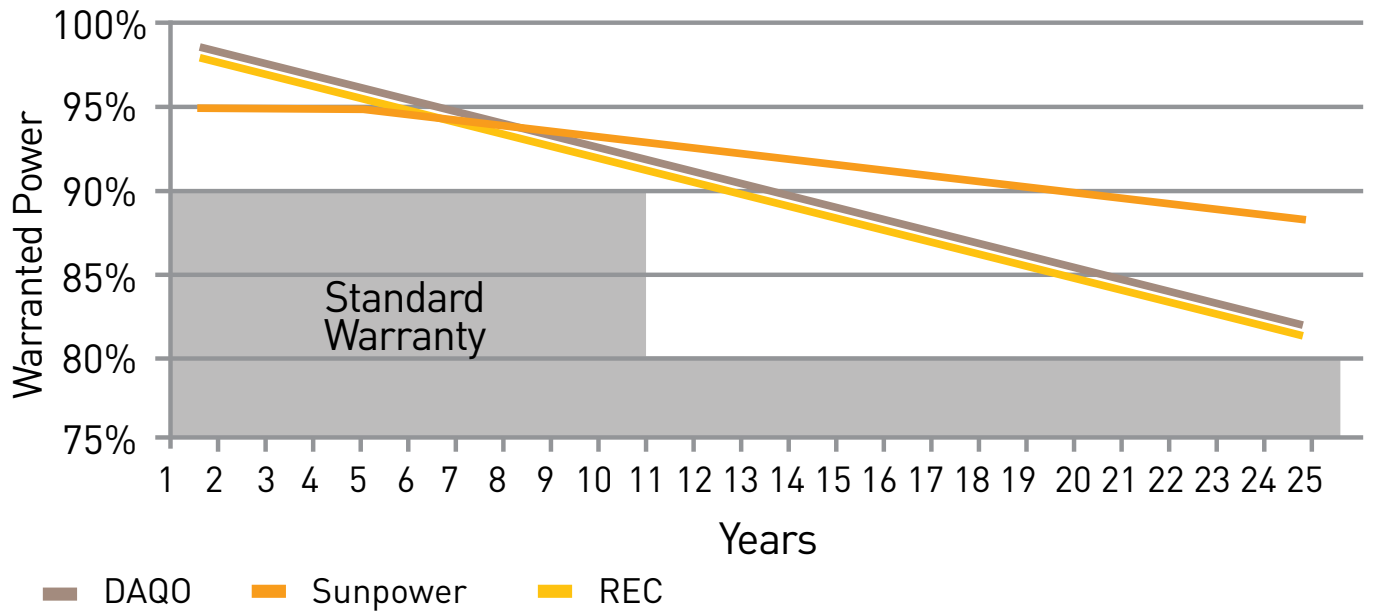
A crucial component of your Home Solar Energy System is the inverter. Inverters convert the DC electricity produced by the solar panels into AC electricity that your home and the grid utilise. Infinite Energy recommends opting for a high quality inverter that has Australian warranty support. Below are some features to compare:

	SUNGROW	GW	Fronius <small>SHIFTING THE LIMITS</small>	SMA
Country of manufacture	China	China	Austria	Germany
Product Warranty	10 years	5 years	5 years +5 years free	5 years Expandable to 20 years
Location of Warranty support	Australia	Australia	Australia	Australia
Communication	WiFi	PC Connection	WiFi (3kW)	Blue Tooth & PC
MPPTS	Dual	Dual (3.6kW+)	Single	Dual (3KW+)

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## Performance Warranty Comparison



## Solar Panel Mounting System

SunLock Australia



Infinite Energy uses the Australian, designed and manufactured, SunLock Mounting system.

The system is made from aluminium and features a highly versatile design which has adjustability and expandability to suit any size job.

The system is corrosion resistant which makes the system low maintenance with an extended life.

The system is backed by a 10 year warranty and complies with the Australian/New Zealand Standard on wind loads.

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