

# 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	Q.CELLS
Manufacturers presence in Australia <i>Warranty and service</i>	✓	✓	✓
Country of manufacture	China	Singapore (Designed in Norway)	Europe
Product Warranty	10 Years	10 Years	10 Years
Power Tolerance <i>Indicates the output range for individual panels</i>	0/+3%	0/+5W	0/+5W
Temperature Co-efficient (Power) <i>How much a panel will de-rate in heat - the lower the better</i>	-0.44%	-0.40%	-0.43%
Frame Thickness	45mm	38mm	50mm
Performance Warranty	25 Years Linear	25 Years Linear	25 Years Linear

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 Assurance:

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



## System Inverters

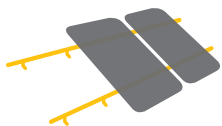
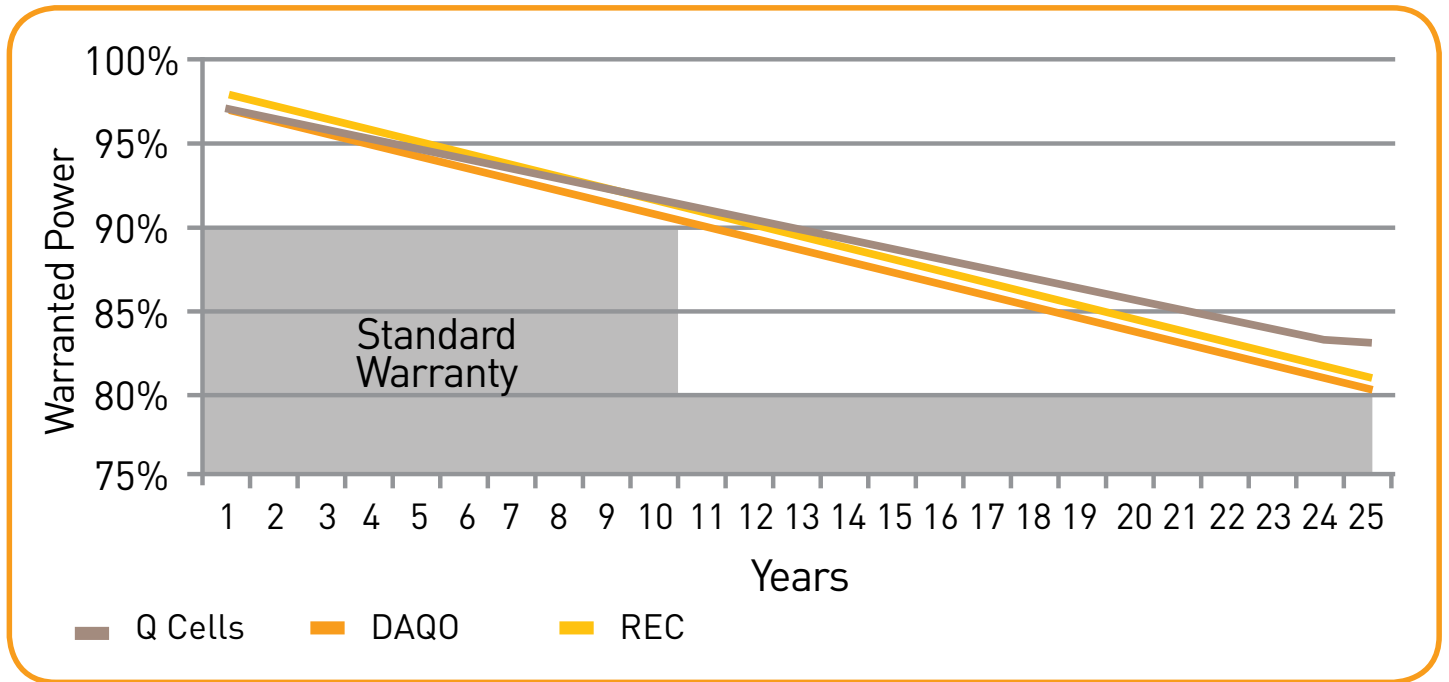
A crucial component of your Home Solar Energy System is the inverter. Inverters convert the DC electricity produced by the solar panels into AC electricity that your home and the grid utilise. Infinite Energy recommends opting for a high quality inverter that has Australian warranty support. Below are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

	SHARP Solar	GW	AURORA Photovoltaic Inverter	SMA
Country of manufacture	Taiwan	China	Italy/USA	Germany
Product Warranty	5 years	5 years	5 years Expandable to 20 years	5 years Expandable to 20 years
Location of Warranty support	Australia	Australia	Australia	Australia
Communication		PC Connection	PC Connection	Blue Tooth & PC
MPPTS	Single	Dual (3.6kW+)	Dual (3KW+)	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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