



# **HOW TO CHOOSE THE RIGHT SOLAR SYSTEM FOR YOUR HOME**

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LEARN THE POWER OF SOLAR.

**SolarRun**

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# IT'S TIME TO TAKE BACK CONTROL OF YOUR ENERGY BILL

Thank you for choosing Solar Run to discuss your energy proposal.

Energy prices have increased 63% in the past 10 years. By installing one of your solar products in your home, you can realise real savings on your energy bill and protect your family budget from the endless sky rocketing electricity prices.

Take back control of your energy bills and join the solar revolution.

## SOLAR RUN CAN GIVE YOU THE TOOLS TO SOURCE. USE AND PAY FOR ENERGY THE WAY YOU WANT TO.

1

### OUR SERVICES

- Solar Power
- Battery Storage
- Hot Water Heat Pump
- Pool Heat Pump

2

### TRIPLE WARRANTY

- 5 Years Full System Warranty
- 10-25 Year Warranty on Solar Panels
- 25 year Performance Warranty on Solar Panels

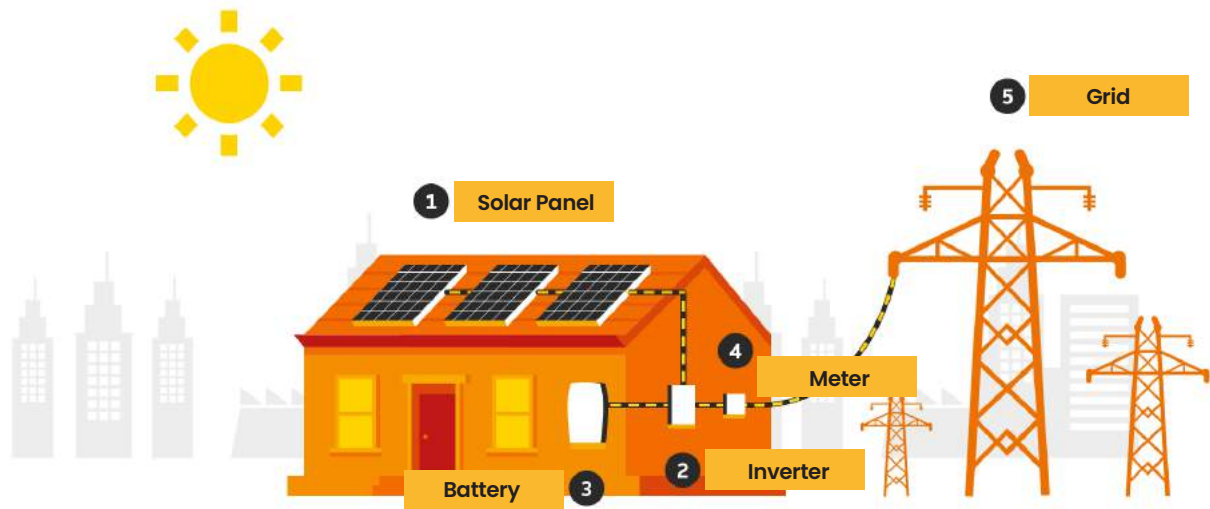
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### CUSTOMER CARE

- Hotline 1300 0 Solar
- [Contact@SolarRun.com.au](mailto:Contact@SolarRun.com.au)
- [www.SolarRun.com.au](http://www.SolarRun.com.au)

START ENJOYING YOUR ENERGY SAVINGS

# HOW SOLAR WORKS



## 1 Solar Panel

When the light from the sun hits the solar panels they produce DC power which then goes to the inverter.

## 2 Inverter

The inverter is the heart of the system and this transforms the DC power from the solar panels into usable power for you to use within the home.

## 3 Battery

When you have a battery in your home you will always use the power from the solar within the home first, any excess power will go into charging the battery for night time use.
































## 4 Meter

The meter is there to calculate how much power in use from the solar and the grid. Any excess power that is produced and not used within the home will get exported to the grid. When the power is exported to the grid you receive a feed-in \$ amount. This varies between state Approx 6-22c per kWh.

## 5 Grid

This is where the power comes from when you are not producing solar power and you need to buy from the grid.

# CHOOSING THE RIGHT SYSTEM

	 No Children		<b>6.6kW</b>
	  Small Family		<b>8kW+</b>
	  Any Family Size	 	<b>10kW+</b>
	  Any Family Size	   	<b>13kW+</b>
	  Any Family Size	 	<b>8kW+</b>
	  Shading		<b>solar</b> 
	 Performance	  	

Here at Solar Run we use a few simple questions and this chart as a tool and a starting point every time we recommend a system to anyone.

For now, let me ask you a few of those questions



Do you have a  
Large roof or a  
small roof?



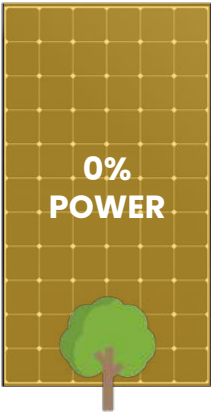
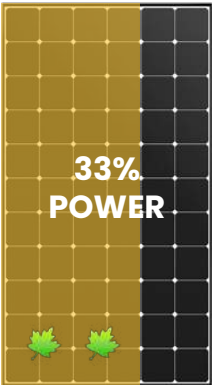
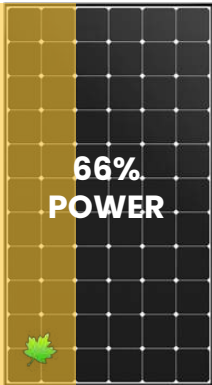
High or low  
energy use?



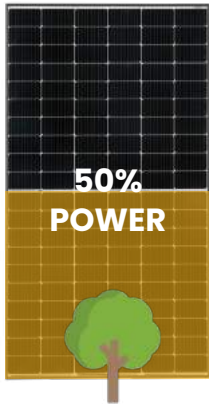
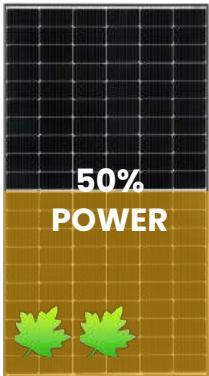
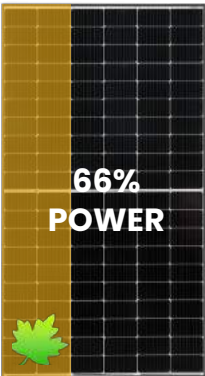
Is your roof  
shaded?

# SOLAR PANEL TECHNOLOGY

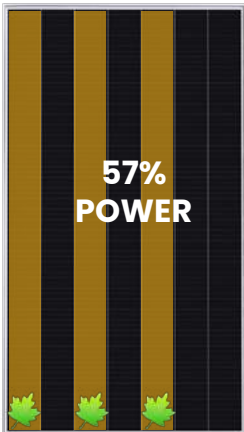
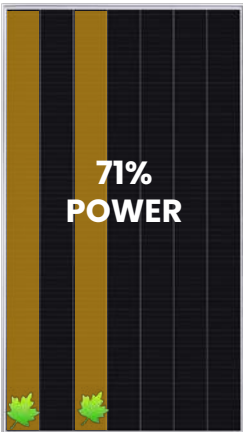
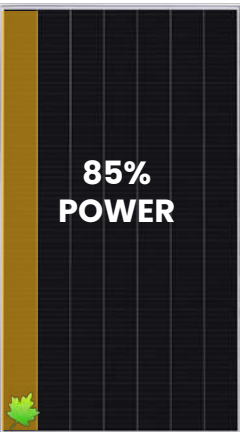
## Full Cell Technology



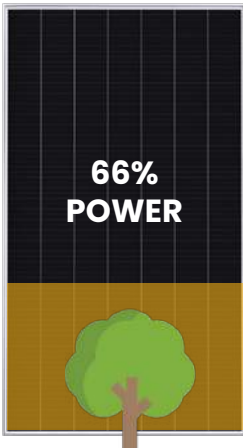
## Half Cell Technology



## Shingled Technology



SUNPOWER





# SOLAR PANEL COMPARISON

	BRAND	Product Warranty	Performance Warranty	Performance after 25 Years	Efficiency	% of power loss at 40°	Technology
PREMIUM	SUNPOWER	25	25	92.0%	22.6%	11.6%	Full Cell IBC
	LG	25	25	90.8%	21.7%	12.0%	Full Cell IBC
	SUNPOWER	25	25	87.2%	18.9%	13.6%	Shingled
	REC	25	25	92.0%	21.7%	10.4%	Half Cell
	Q CELLS	25	25	85.0%	20.6%	14.0%	Half Cell
	solar edge	15	25	84.8%	20.1%	14.0%	Half Cell
VALUE for MONEY	Jinko Solar	12	25	83.1%	20.2%	14.0%	Half Cell
	LONGi Solar	12	25	84.5%	20.3%	14.0%	Half Cell
	Trina solar	12	25	84.8%	20.2%	13.6%	Half Cell
	JA SOLAR	12	25	83.0%	20.1%	13.6%	Half Cell
	risen solar technology	15	25	84.8%	20.3%	14.8%	Half Cell
	VEECO EGING PV	15	25	83.1%	20.3%	14.4%	Half Cell
	SUNTECH	15	25	84.8%	20.3%	14.4%	Half Cell
	Canadian Solar	12	25	83.1%	20.0%	14.4%	Half Cell
	SERAPHIM	15	25	83.1%	19.8%	14.4%	Half Cell



# TOP 3 SOLAR PANELS TO INSTALL

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## SUNPOWER

- Patented Singled Technology for better performance
- 35 Year making solar panels
- Solar cells used by NASA
- All black panel not just frame

25 YEAR  
WARRANTY



12 YEAR  
WARRANTY



*Solar*  
**JinkO**

- Largest solar panel manufacturer in the world.
- Black Frame
- Over 10 year experience in Australia

 **EGING PV**

- 15 Year Warranty
- Black frame
- Works great in low light conditions
- Tier 1 panel manufacturer

15 YEAR  
WARRANTY

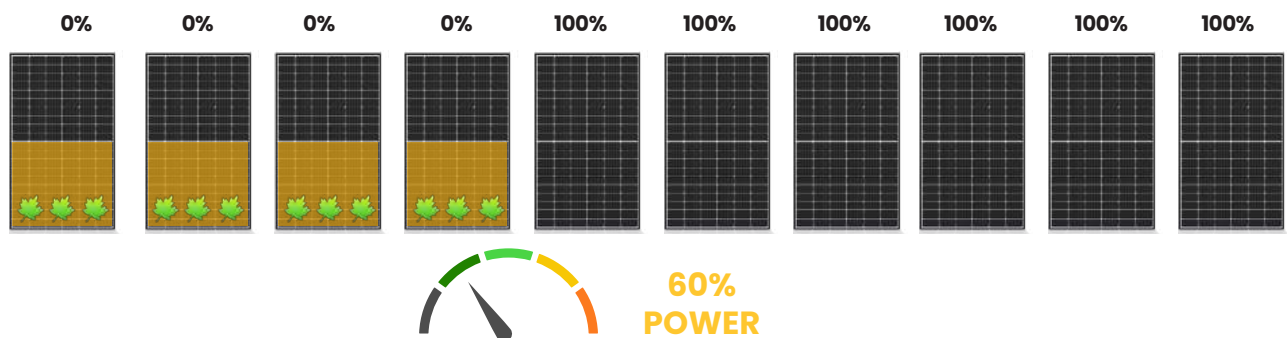




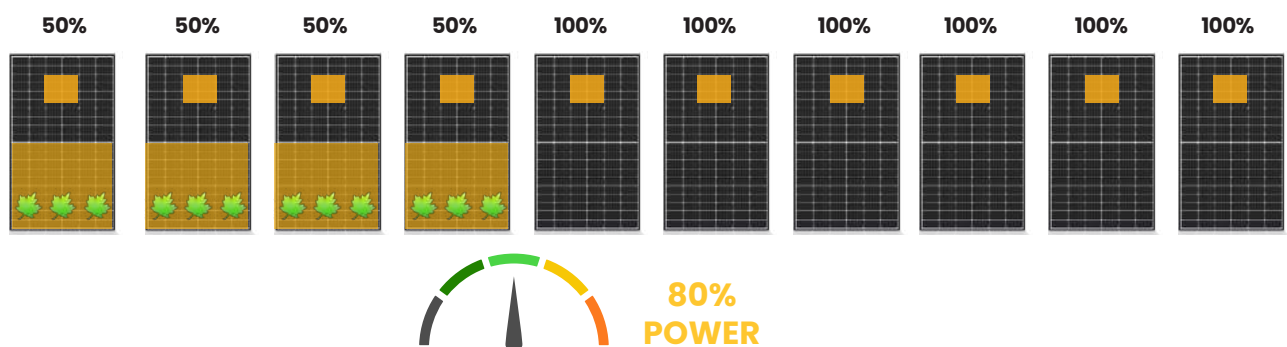
# STRING INVERTER VS OPTIMISED SYSTEM

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## STRING INVERTER



## OPTIMISER SYSTEM



solar**edge**



# SOLAR INVERTER COMPARISON

Let’s start with Inverters, the heart of your solar system. While there are hundreds of panel brands there are only a few inverter brands worth mentioning.

For inverter brands, we look at **Reputation, Warranty, Remote Monitoring, and Noise.**



	BRAND	Product Warranty	Cooling System	APP Quality/ Usability	MPPT Trackers	Customer Service
PREMIUM	solar <sup>edge</sup>	12				★★★★★
	Fronius	5+5				★★★★
	SMA	5+5				★★★★
	ABB	10				★★★★
	HUAWEI	10				★★★★
	GOODWE	10				★★★★★
VALUE FOR MONEY	SUNGROW	10				★★★★★
Budget	solis	5				★★★★
	SOLAX POWER	5				★★★
	Growatt	10				★★★★
	SOFAR SOLAR	10				★★★★★
	SAFI	5+5				★★

# TOP 3 INVERTER'S TO INSTALL

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## solar**edge**

- Safest inverter in the market
- Amazing consumption monitoring
- Harvest more power from each panel
- Reduces shading effects



## GOODWE

- Great customer service
- Top 4 Inverter in Australia
- Innovative technology can install on 3 directions on your home. (Makes to most of your roof space)

## SUNGROW

- Long 18year history in Solar
- Australian Office
- Wifi monitoring



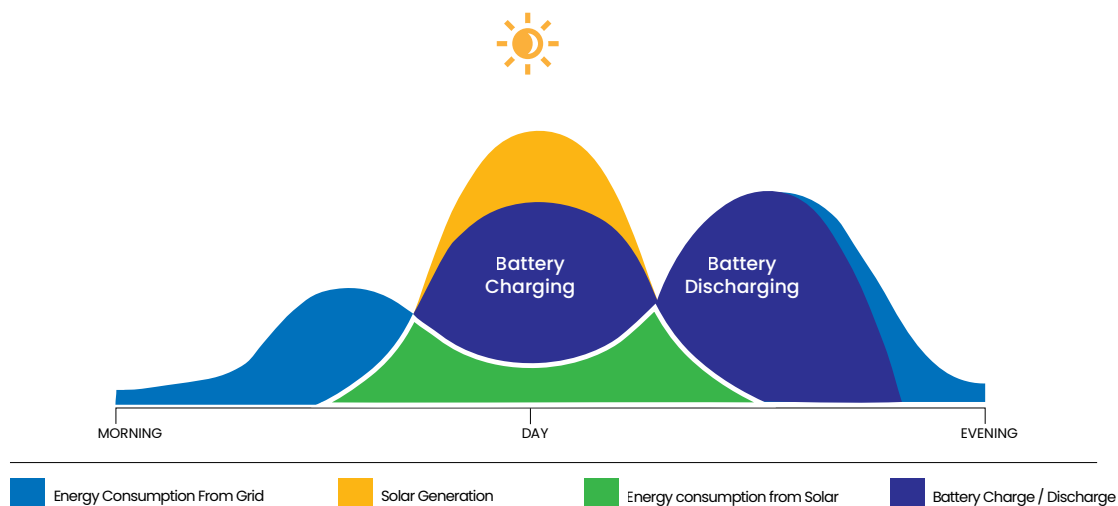


# WHY CHOOSE BATTERY?












## REASONS FOR CHOOSING BATTERY

- Installing a battery will mean that you don't need to buy as much power from your electricity retailer. Since you'll be able to use free solar energy generated by your panels during the night as well as during the day.
- Your home can run off of the solar energy you have stored in the event that the grid goes down.



# BATTERY COMPARISON

BRAND	STORAGE SIZE	BACK UP LOAD	UPS/EPS	BATTERY LOCATION
	10 Kwh	3 Kwh		
	13 Kwh	4.6 Kwh		
	13.5 Kwh	5 Kwh		

## STORAGE SIZE

When making a decision on the storage size you need to consider how power you use at night time. It is also import to consider how much power you will need to last a power outage with your battery.

## BACK UP LOAD

This is important when in an event of a power outage you need to consider how much power you will need to run your loads.

The larger the KW rating this allows you to have more appliances turn on.

## UPS/EPS

**UPS** – Means Uninterrupted Power Supply. When the power from the grid turns off the battery will kick in within 30ms. This is so fast that you might not even see your lights flicker.

**EPS** – Means Emergency Power Supply. When the power from the grid turns off the battery will take up to 1 minute to turn on.

# TOP 3 BATTERIES TO INSTALL

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## SENEC

- Made in Germany
- Samsung battery cells
- 5kWh or 10kWh battery



## Alpha·ESS

- 10 year battery performance warranty
- Up to 13kWh storage
- All in one design

## T E S L A

### POWERWALL

TESLA HOME BATTERY

- A sleek looking design
- Samsung battery cells
- Trusted brand





# OUR RECENT INSTALLATIONS

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## 13kW SOLAR PANEL SYSTEM

"We did our research for solar and with electricity going up not just every year but every bill, solar is the way to go."

**- JAMIE**



## 9.9kW SOLAR PANEL SYSTEM

"Definitely recommend Solar Run, better service, better product, better price. Easy to deal with."

**- DANIEL**



## 6.6kW SOLAR PANEL SYSTEM

"Installation only takes a couple of days and happy with the result. The person on the phone is very helpful, highly recommended"

**- ALLAN**





An aerial photograph of a residential house with a dark grey tiled roof. A large array of solar panels is installed on the roof, covering most of the visible area. The panels are dark blue with white grid lines. The house has white walls and several windows. In the background, other houses and greenery are visible.

# GET IN TOUCH

**1300 076 527**

## **QUICK TIP:**

**BE CAREFUL IF: A SOLAR  
COMPANY OFFERS YOU POLY  
PANELS WHEN YOU NEED  
MONO PANELS.**

**SolarRun**

**[WWW.SOLARUN.COM.AU](http://WWW.SOLARUN.COM.AU)**