



1:1,128 Speed Bumps on the Way to Solar by Jo Muller, Umina Beach, April 2024

## Disclaimer

All information for this presentation has been prepared with great care and should be used as reference only.

This is not legal, financial or professional technical advice. The presenter is not liable for any negative consequences resulting from the use of the information presented.





**Where are  
the solar panels?**



# Solar PV

The financials are great (more about that later)  
and it is good for the environment.

So, what is holding us back?

Where are  
the solar panels?

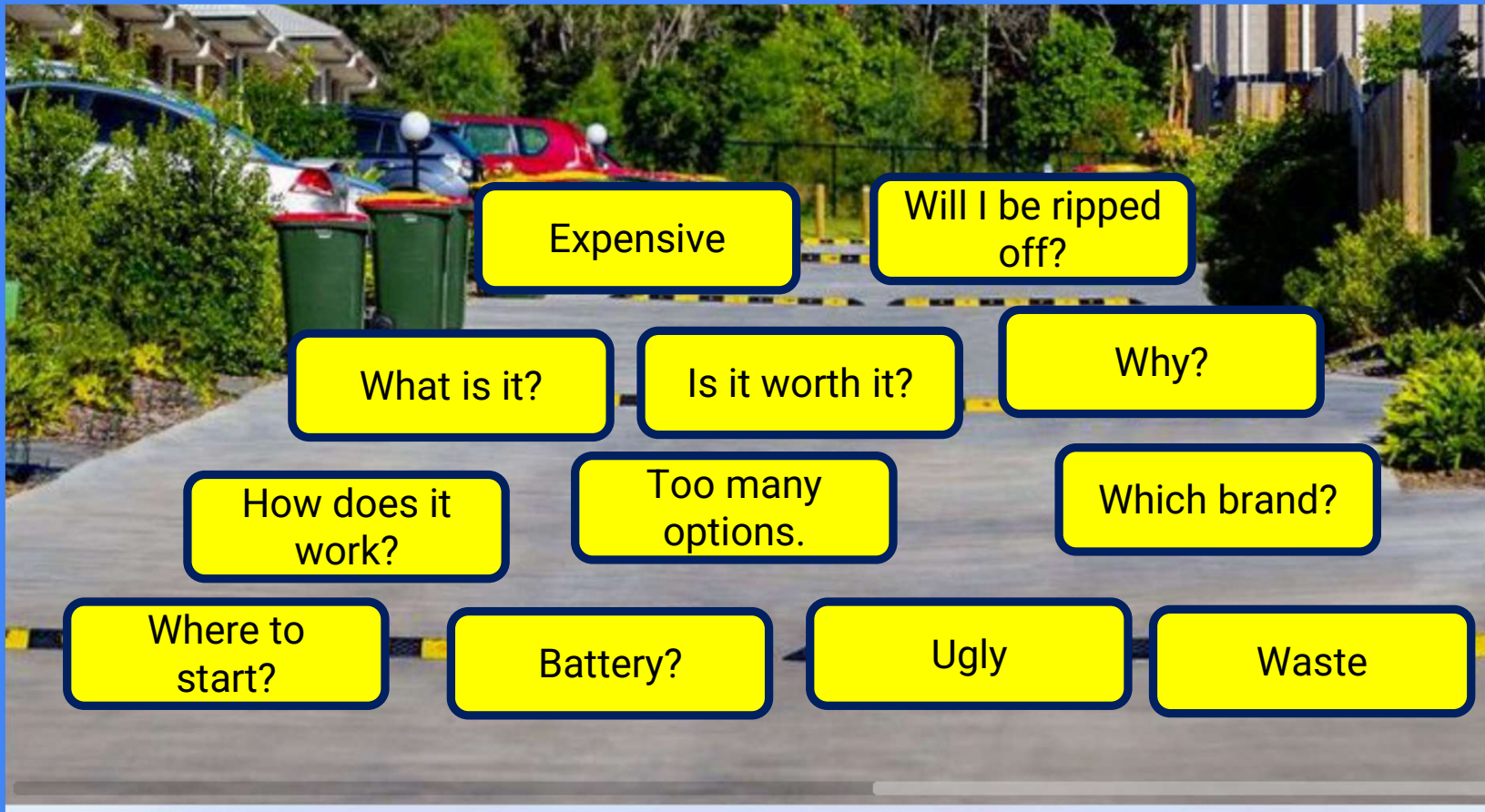
# Speed Bumps



on the way  
to solar.

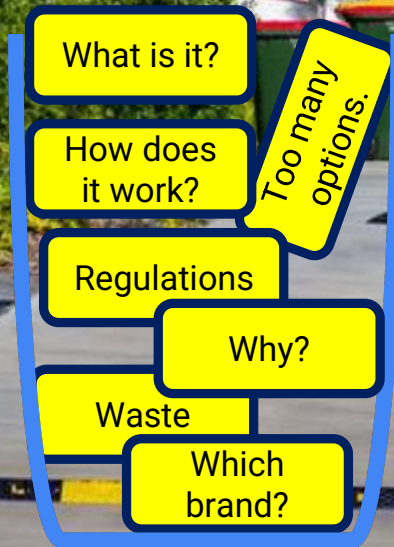
# Speed Bumps

on the way  
to solar.



# Speed Bumps

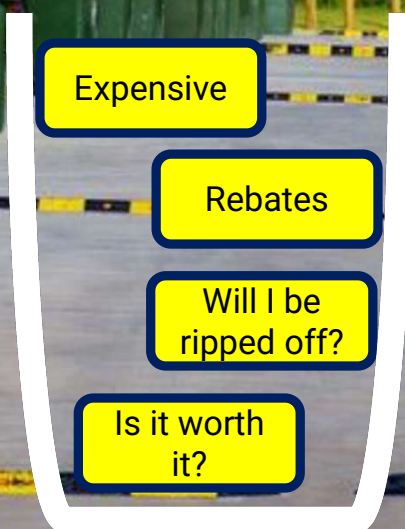
on the way  
to solar.



A blue U-shaped speed bump containing several yellow callout boxes with text. A tilted box says "Too many options." The boxes are arranged as follows:

- What is it?
- How does it work?
- Regulations
- Why?
- Waste
- Which brand?

information



A white U-shaped speed bump containing several yellow callout boxes with text:

- Expensive
- Rebates
- Will I be ripped off?
- Is it worth it?

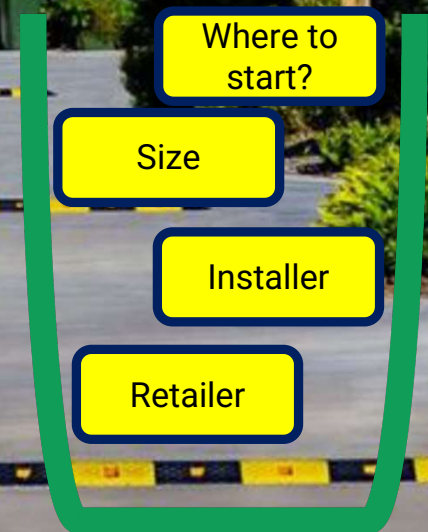
money



A red U-shaped speed bump containing a single tilted yellow callout box with text:

- Battery?

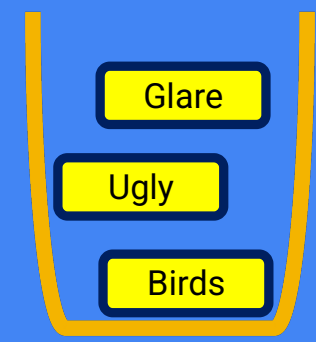
batteries



A green U-shaped speed bump containing several yellow callout boxes with text:

- Where to start?
- Size
- Installer
- Retailer

action



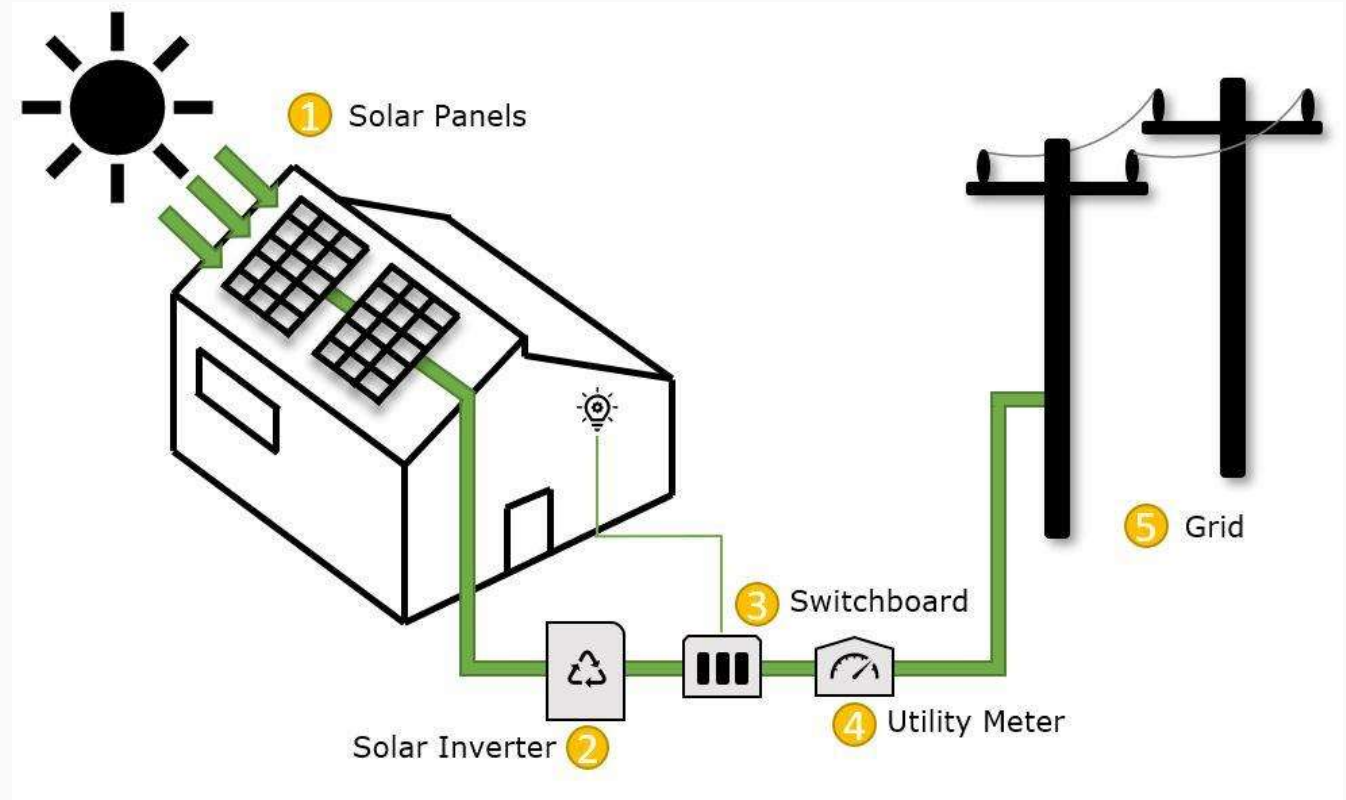
An orange U-shaped speed bump containing three yellow callout boxes with text:

- Glare
- Ugly
- Birds

other

# Information

- Concept of solar PV
- **How does it work?**
- Why should I have it?
- How long does it last?
- Which Brands?
- Warranties
- Regulations
- Waste
- Too many options





# Speed Bumps

on the way  
to solar.



information

money

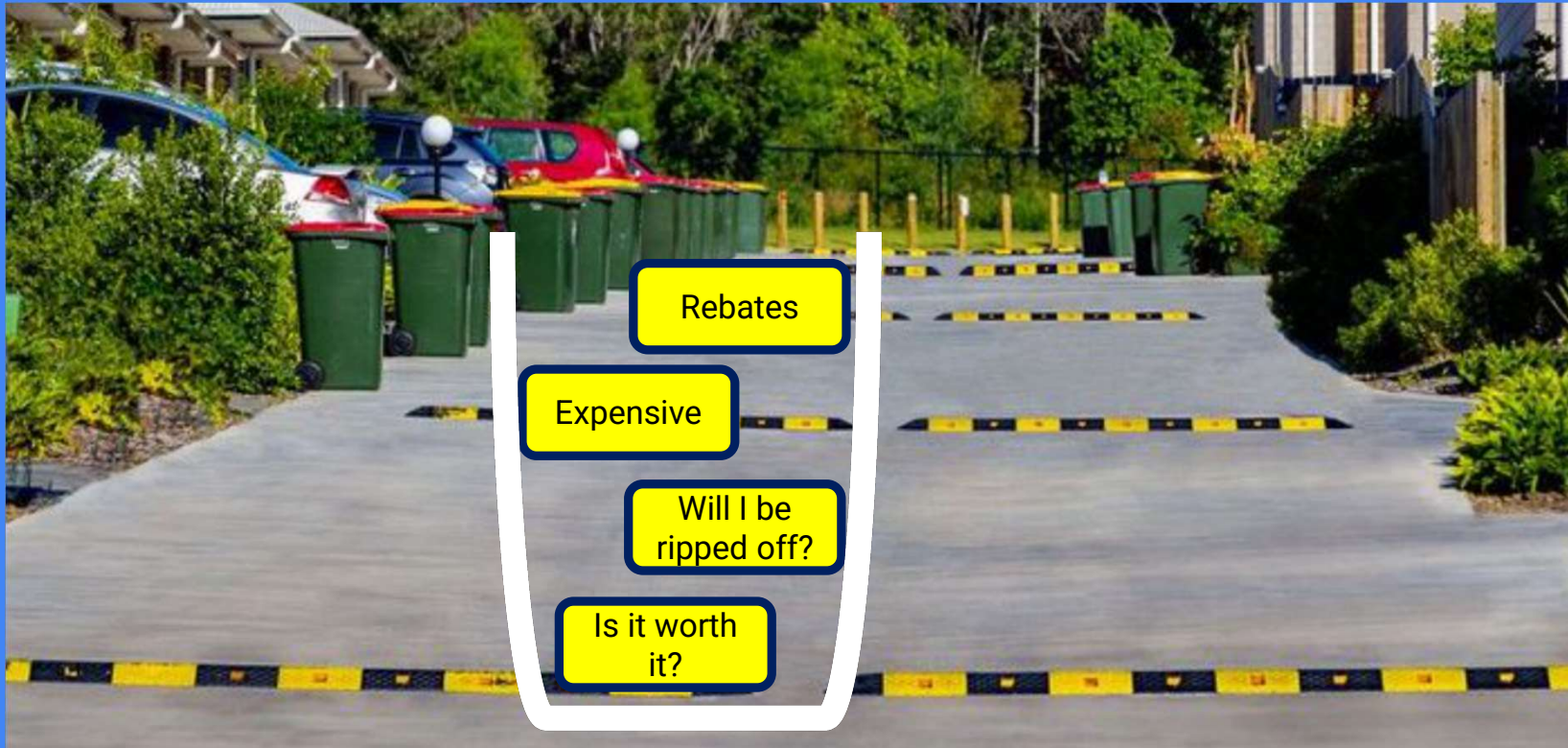
batteries

action

other

# Speed Bumps

Let's talk  
about  
money



information

money

batteries

action

other

# Speed Bumps



Let's talk  
about  
money

information

money

batteries

action

other

# Speed Bumps



Let's talk  
about  
money

information

money

batteries

action

other

# Speed Bumps

Solar is an investment:  
'spend money to make more money'

- How to check if an investment is good?
- How to compare investments?

Let's talk  
about  
money

information

money

batteries

action

other

# Speed Bumps

## Comparing Investments:

- Return on investment (ROI)
- Payback time
- Interest rate
- other

Let's talk  
about  
money

information

money

batteries

action

other

# Speed Bumps

## Financing with a loan:

- Great idea: payback time becomes ZERO!
- But how to compare now?

Let's talk  
about  
money

information

money

batteries

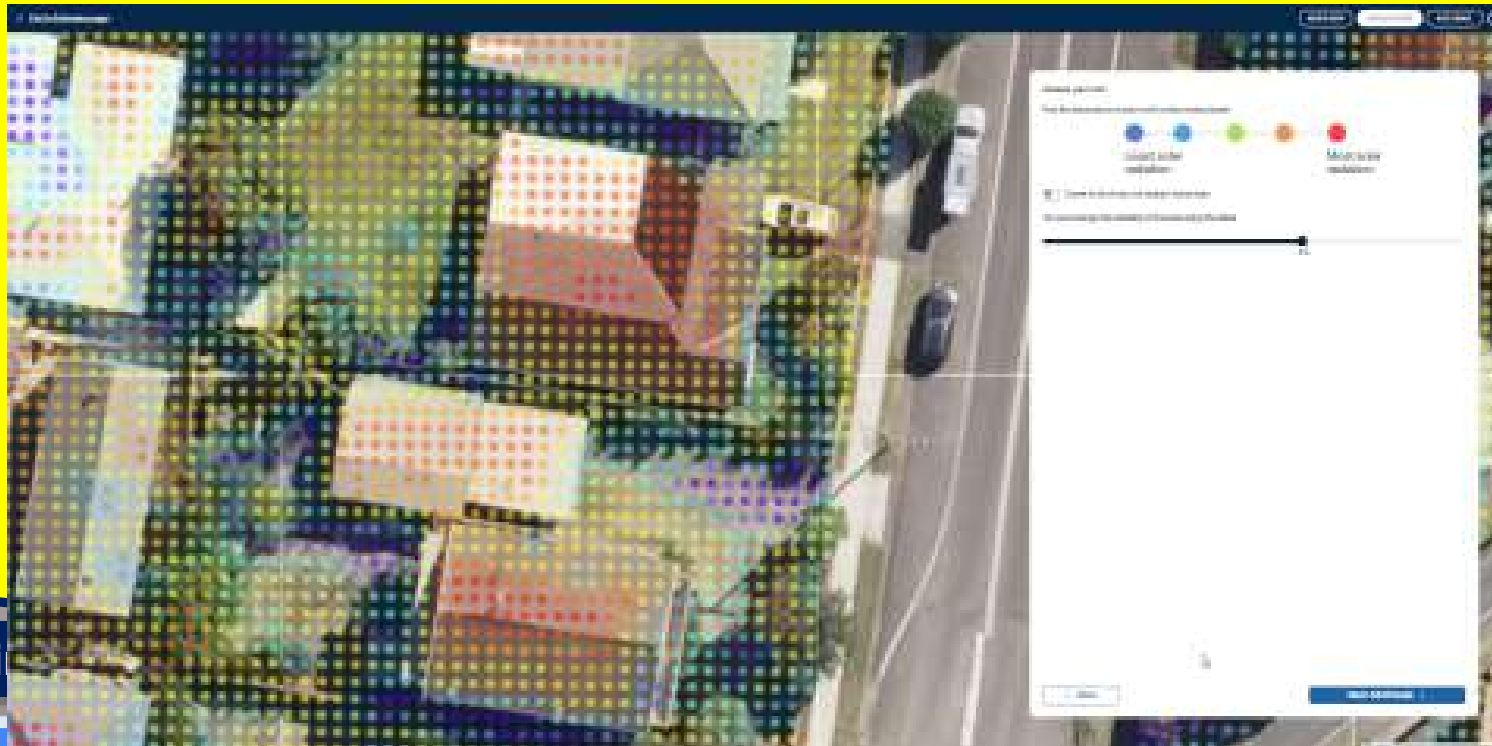
action

other

# Speed Bumps

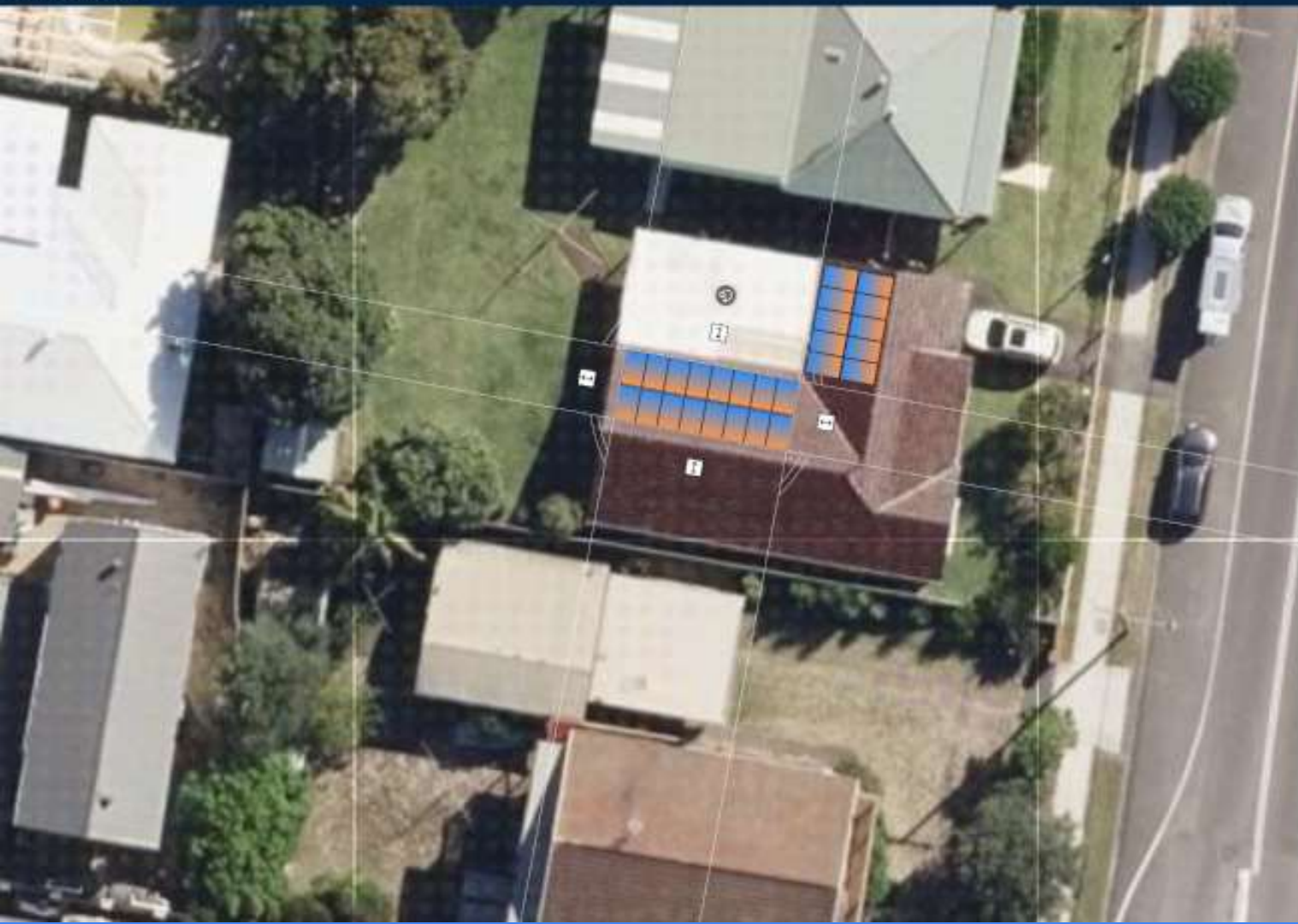
Use a special calculator: **Sunspot**

Let's talk  
about  
money



other





26 of 28 panels added

Add panels to your roof How to

Map panels to the areas on your roof that get the most sunlight.

+ Add panel group

Panel Group 1 - 15 panels (24 kW) Details

Panel Group 2 - 11 panels (24 kW) Details

[Advanced options](#)

Back Next: Complete

# My Solar Estimate

499 Ocean Beach Road, Umina Beach New South Wales 2257

This estimate is based on your inputs and average data for your area. To refine the estimate, follow the next steps.

## Next Steps

Map My Roof **COMPLETE**

Energy Usage **IN PROGRESS**

Add a Battery **TO DO**



## Solar System

This is a summary for your mapped system. [Learn more](#)

### SOLAR SYSTEM SIZE

5.6 kW

### NUMBER OF PANELS MAPPED

16

### ESTIMATED SYSTEM COST

\$5,352-\$6,055

### ANNUAL ELECTRICITY BILL WITH SOLAR

\$1,248

### ANNUAL BILL SAVINGS

\$1,240 savings

### TIME TO PAY BACK YOUR SYSTEM

4.3-4.9 years

[View System Details](#)

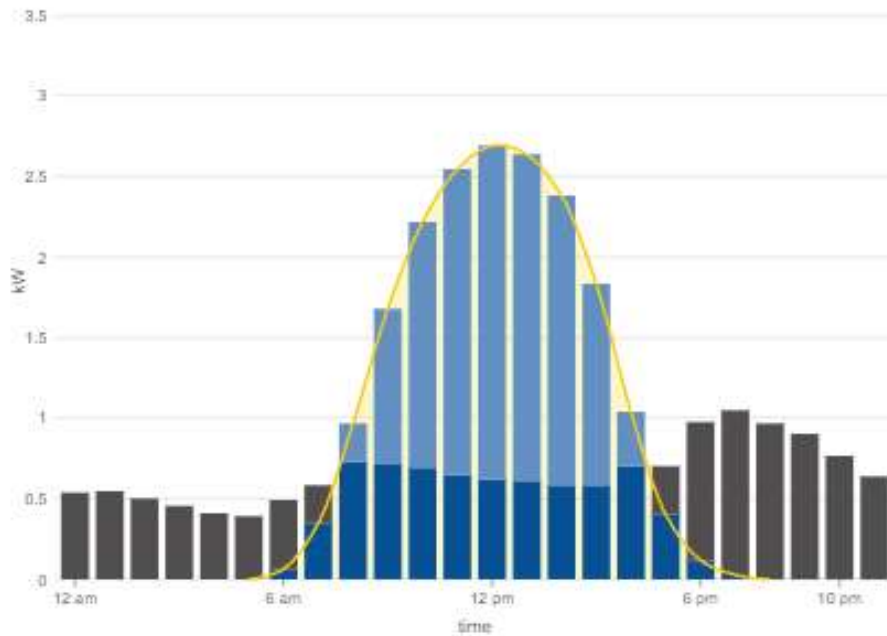
Review your system details to see how your panel groups perform at different times of the year.



## Solar Usage

Annual

This is an estimate of your daily electricity usage and solar generation, averaged Annually or by season. [Learn more](#)



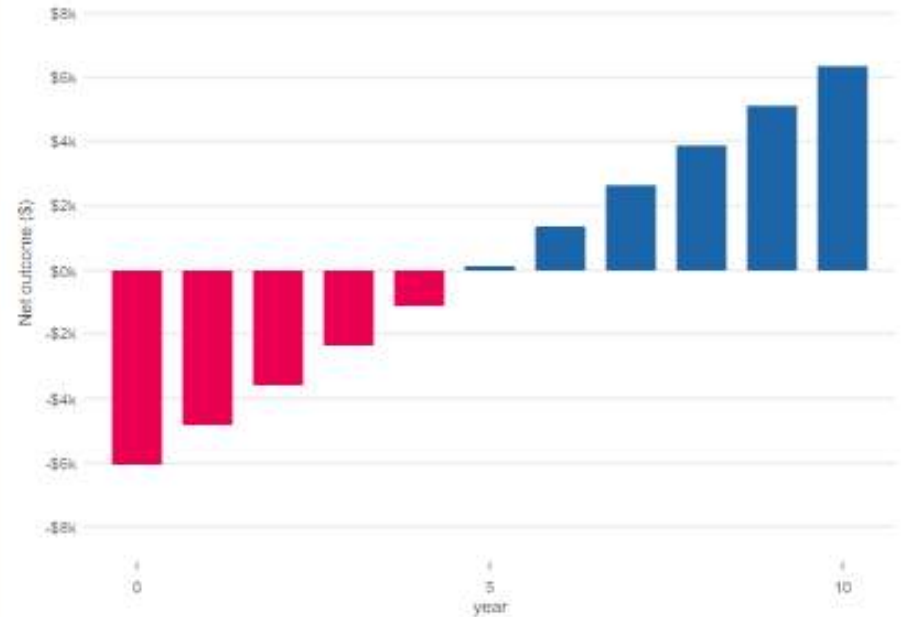
## Solar Investment

10 years

This is a summary of the financial outcomes for your system over 10 years. [Learn more](#)



### Investment cash flow



## 🏠 Solar Generation – Panel Group 1

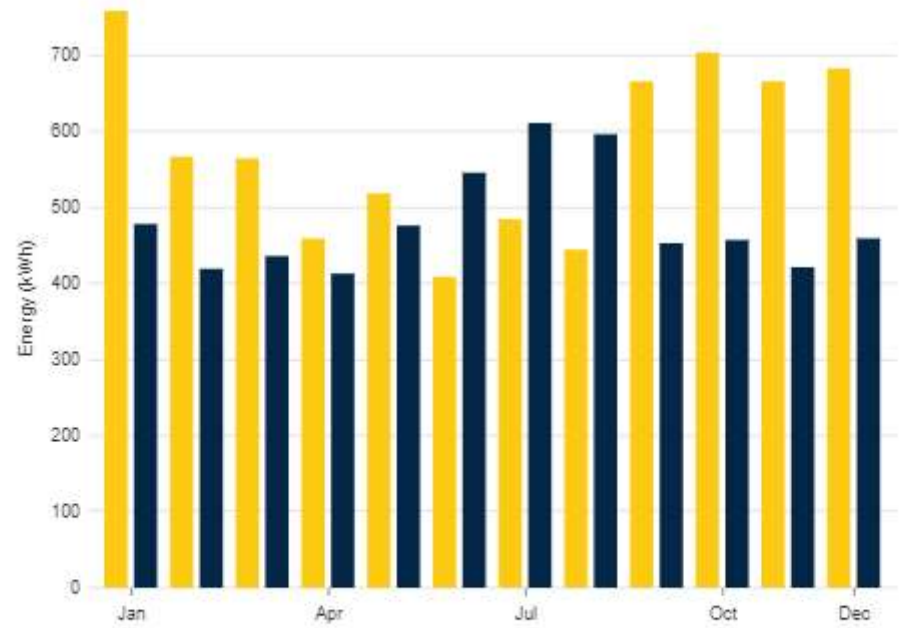
This shows how much solar energy is generated each month. [Learn more](#) ↗

**6,922 kWh**  
Annual solar generation

**January**  
-758.3 kWh  
Highest solar generation month

**June**  
-409 kWh  
Lowest solar generation month

☑ Electricity Generated ✓    ☑ Electricity Used ✓



**Talking about financial issues is a complicated matter. And there is so much more.**

**How about a special workshop of 3 x 1.5 h ?**

**→ Talk to the organiser**

# Speed Bumps

# ACTION

on the way  
to solar.

Get 3 quotes from local installers.

<https://www.solarquotes.com.au/installers/cities/centralcoast>

Where to  
start?

Size

Installer

Retailer

Target 5 to 10 kW  
(depends on roof)

Let's talk about that  
later

information

money

batteries

action

other

Thank you!

If you want to learn more, join a WORKSHOP.

3 sessions, 1½ hours each, for 5 to 10 participants.

Please reach out to the event organiser for more information.

