



**HIELSCHER  
ELECTRICAL**

**SOLAR ENERGY**







## Company overview

Cairns solar energy specialists Hielscher Electrical was established in 2015 by Brenton Hielscher. His team has more than 30 years' electrical experience behind them and they are committed to excellence and innovation. This is what led to their expansion into solar. Hielscher Electrical Solar Energy is all about creating sustainable solar solutions, for residential and commercial customers.

The team at Hielscher Electrical Solar Energy design effective solar systems to meet your specific energy consumption requirements. Using only quality componentry, provided at the best possible prices with a workmanship warranty. Based in Cairns, our solar specialists travel across North Queensland from Cardwell to Mareeba, Mossman and Port Douglas, delivering outstanding customer service from first contact to final installation. As solar specialists, we're pleased to provide a comprehensive range of services.







5 STAR REVIEWS FROM  
OUR CUSTOMERS



## Certifications



## Leading Industry Partnerships



## Homeowner reviews



Great solar installer. They take the time to make sure you get the right solar system for your needs. The panels and inverters are high quality and the price including installation is very competitive. I just like how they set up the inverter to our WIFI so we can see how well the system is doing in real time. Very quick install, one short afternoon and they were done.

**Herman Rijken**



Excellent service - fully installed in 5 hours. Installers all very professional and owner Brenton very knowledgeable. Very happy with price too. If you're installing solar in Mission Beach make sure to quote with Hielscher.

**Jamie Dalton**



Prompt no fuss service, they had the panels in stock and it all got installed within 4 hours -- very happy with the product and the service.

**Angus Thain**



Without a doubt the most professional and exceptional business I have dealt with in decades. From the initial quote through to the exceptional team who completed the installation with the minimum of fuss and exacting workmanship. An absolute pleasure to deal with. You cannot go wrong here!!!!

**David Elms**



Don't hesitate in contacting Brenton and his team with your Solar or Electrical work. Speedy, efficient and most importantly friendly service. Great work Brenton and team.

**Robert Pantic**



Easy from Day 1. Nothing was too much trouble for the team, from the day of the quote to completion of installation of our solar systems. Professional service, custom built to suit our requirements. We would highly recommend Hielscher Electrical and their services. Thank you.

**Jeanne N Chris Willox**

# Let's get started



Do you have a copy of your electricity bill?



How much of your consumption is daytime usage?



Have you seen any changes in your power consumption?

i.e., seasonal changes, future renovations, pools, extending family, etc.



Have you had solar before?



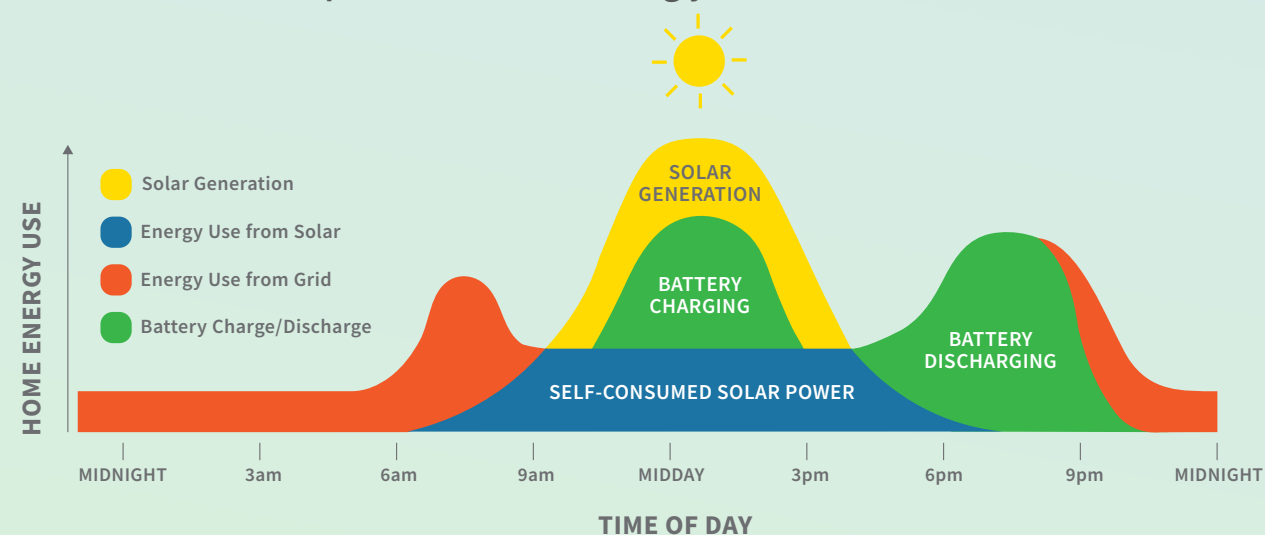
Are there any particular products you have been looking at.



Would you be looking at finance options?



Is monitoring energy consumption and production something you are interested in?



# How does solar work?

1

Your inverter and solar panels convert sunlight to electricity.

2

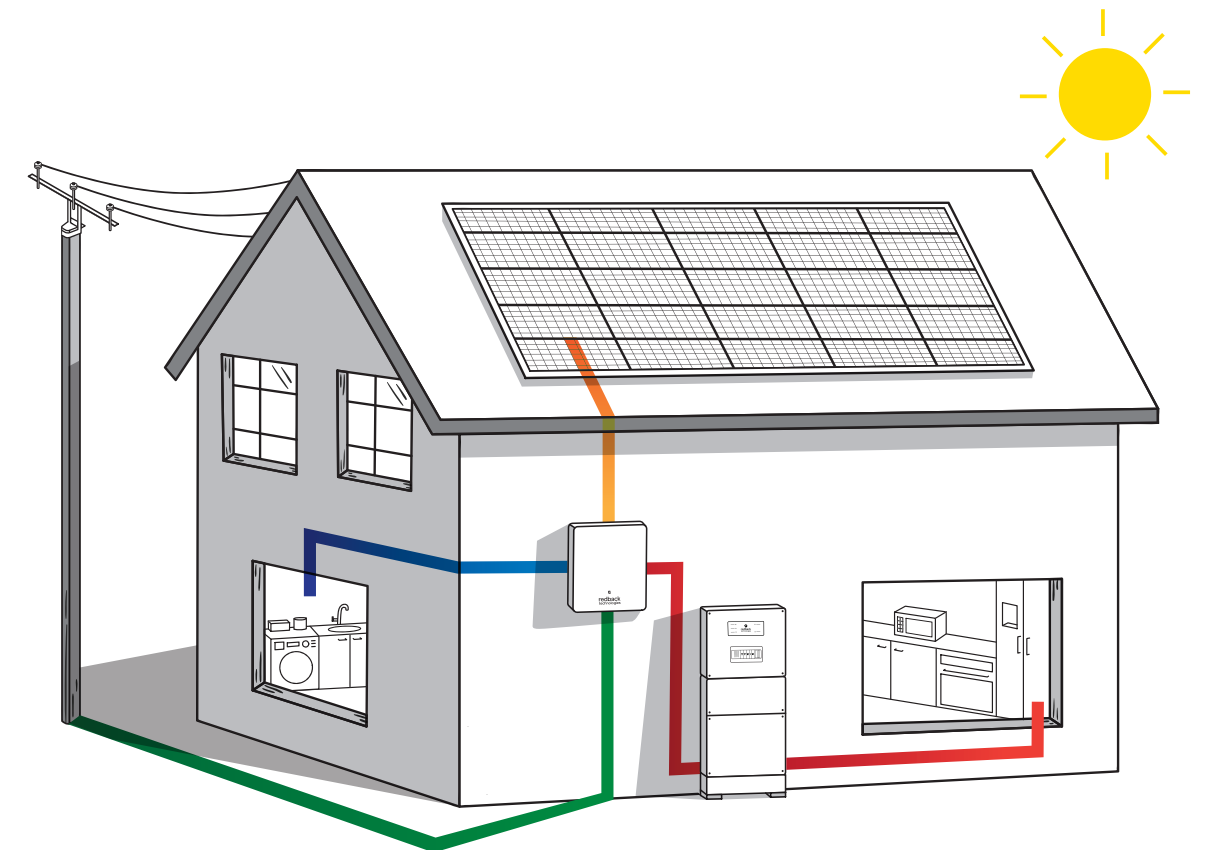
This electricity can then be used to power your home while the sun is shining.

3

Excess electricity can be sold into the grid, however, this is generally at a lower cost than what you will need to buy it for when the sun sets.

4

Adding home battery storage allows you to store your excess power and use it to power your home when your solar panels aren't generating enough for your needs, saving you even more on your power bill.





# Inverter



Founded in 2015 in Brisbane  
10 year warranty



Founded in 1945 in Austria  
Voted No. 1 Best Residential &  
Commercial Solar Inverter 2020  
5 plus 5 year product warranty



Founded in 2006 in Israel  
Voted No. 2 Best Residential Inverter  
and No.3 Commercial Inverter 2020  
12 year product warranty



Founded in 2006 in California  
Australian office in Victoria  
10 - 15 year product warranty



# Solar panels

**Trina**solar

- 25 year product warranty – 25 year performance warranty
- Trina was founded in 1997
- Australian office in Sydney, NSW
- Manufactured in China

**HYUNDAI**  
ENERGY SOLUTIONS

- 25 year product warranty – 25 year performance warranty
- Hyundai was founded in 1972 and is a Fortune 500 company
- Australian office in Sydney, NSW
- Manufactured in Vietnam and South Korea

**tindo**  
solar

- 25 year product warranty – 25 year performance warranty (Authorised dealers only)
- Founded in 2011 in Adelaide, Australia
- Tindo Solar is Australia's only manufacturer of solar panels

**REC**

- 25 year product warranty – 25 year performance warranty
- Founded in 1996
- Australian office in Melbourne
- Made in Singapore



# Mounting system

Solar panels are securely mounted onto the aluminum mounting system that's installed directly onto your roof. All our mounting systems are installed to comply with the engineering certification, panel manufacturer specifications and AS/NZS 1170.2:2011 - which includes installing additional footings for our wind region.



# Hot water timer

By connecting your electric hot water system to a timer, you avoid using additional power to boost your hot water supply when it's not needed. The hot water system will be moved from the off-peak tariff to Tariff 11 and a timer will be installed so that it operates during solar hours.





# Solar deals

**Trina**solar



**6.6kW System**  
16 X 415W Trina  
Redback SI5000

**7.9kW System**  
19 x 415W Trina  
Redback SI6000

**9.96kW System**  
24 x 415W Trina  
Redback SI8000

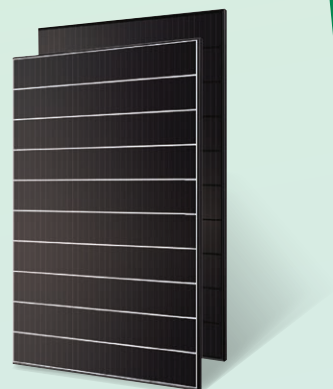


**6.6kW System**  
16 X 415W Trina  
Fronius Primo 5.0-1  
Includes;  
Fronius Smart Meter 63A-1

**7.9kW System**  
19 x 415W Trina  
Fronius Primo 6.0-1  
Includes;  
Fronius Smart Meter 63A-1

**10.8kW System**  
26 x 415W Trina  
Fronius Primo 8.2-1  
Includes;  
Fronius Smart Meter 63A-1





**6.6kW System**  
17 x 390W Hyundai  
Redback SI5000

**7.8kW System**  
20 x 390W Hyundai  
Redback SI6000

**10.5kW System**  
27 x 390W Hyundai  
Redback SI8000



**6.6kW System**  
17 x 390W Hyundai  
Fronius Primo 5.0-1  
Includes;  
Fronius Smart Meter 63A-1

**7.8kW System**  
20 x 390W Hyundai  
Fronius Primo 6.0-1  
Includes;  
Fronius Smart Meter 63A-1

**10.9kW System**  
28 x 390W Hyundai  
Fronius Primo 8.2-1  
Includes;  
Fronius Smart Meter 63A-1



**6.6kW System**  
17 x 390W Hyundai  
SolarEdge Energy Hub  
SE5000H  
Includes;  
SolarEdge Modbus Meter  
Current Transformer  
Surge Protection  
17 x S440 Optimisers

**7.8kW System**  
20 x 390W Hyundai  
SolarEdge Energy Hub  
SE6000H  
Includes;  
SolarEdge Modbus Meter  
Current Transformer  
Surge Protection  
20 x S440 Optimisers

**10.5kW System**  
27 x 390W Hyundai  
SolarEdge Energy Hub  
SE8250H  
Includes;  
SolarEdge Modbus Meter  
Current Transformer  
Surge Protection  
27 x S440 Optimisers



**6.3kW System**  
16 x 390W Hyundai  
16 x 349 Enphase IQ7A  
1 x Enphase Envoy

**8.5kW System**  
22 x 390W Hyundai  
22 x 349 Enphase IQ7A  
1 x Enphase Envoy

**10.9kW System**  
28 x 390W Hyundai  
28 x 349 Enphase IQ7A  
1 x Enphase Envoy



## AUSTRALIAN PACKAGES

### GRID CONNECT



**6.5kW System**  
16 X 405W Tindo  
Redback SI5000

**7.7kW System**  
19 x 405W Tindo  
Redback SI6000

**10.5kW System**  
26 x 405W Tindo  
Redback SI8000

### BATTERY STORAGE



**7.8kW System**  
Redback Technologies  
SH5000  
7kWh Battery Storage  
(2 x Pylontech 3.5kWh)  
20 x 390W Hyundai

**7.8kW System**  
Redback Technologies  
SH5000  
10.5kWh Battery Storage  
(3x Pylontech 3.5kWh)  
20 x 390W Hyundai

**7.8kW System**  
Redback Technologies  
SH5000  
14kWh Battery Storage  
(4x Pylontech 3.5kWh)  
20 x 390W Hyundai







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Electrical Contractors Licence 83104