



Turn YOUR excess solar into hot water!



CATCH Power devices use your existing solar installation to heat your hot water or floor heating.

- Don't give your excess solar away for free**
 CATCH will make better use of the excess solar, sending energy to your hot water or floor heating.
- Save hundreds of \$/year!**
 There are significant savings to be made by making better use of your solar electricity.
- 24/7 monitoring of your solar installation**
 CATCH is always working and checking; if your solar develops a problem, CATCH will notify you before you even know there is a problem.

TECHNICAL DATA

Max Hot Water Size	4.8kW
Max Load Current	20A
Max distance between Diverter and Communicator	60m
Powerline Communications frequency	100kHz
AC Input Voltage	230VAC
AC Frequency	50Hz
Weight	<1kg
Dimensions HxWxL (cm)	
Diverter	15x7x12
Communicator	15x7x10
Warranty	5yrs
Product is compliant with IEC60950	

How does it work?

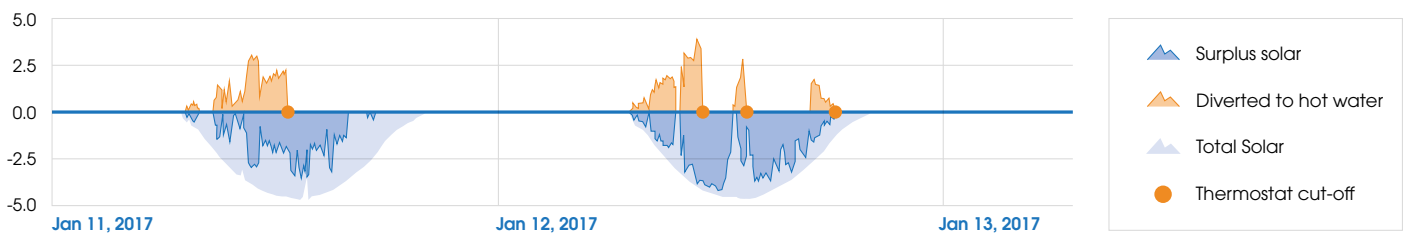
Blue CATCH is made up of two boxes; a Diverter (this goes into your meter box) and a Communicator (this plugs into your router/modem).

There is no need for any wiring between these two boxes as they send the data over the existing power cables in your home!

CATCH Power devices use an adaptive learning algorithm to ensure optimum use of the generated solar. With information on total solar generation, household loads, and hot water consumption, combined with forecasted weather data, CATCH will make the best decision about the most efficient source of power to use while keeping the supply of hot water continuous.

There are no complicated settings to deal with. Just plug it in and let CATCH work out the rest.

3 Day Diversion Overview





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FREQUENTLY ASKED QUESTIONS

Will my existing hot water tank work with CATCH?

Yes. CATCH will work with your existing hot water element and thermostat. All that is missing is CATCH!

Will CATCH work with a heat pump?

No. CATCH utilises pulse width modulation to regulate power, as such it only works on resistive element hot water systems.

Is my solar array suitable as it is?

Yes! CATCH will work with your existing solar array. CATCH is installed in the meter box and all of the magic happens from there.

Will CATCH work without an internet connection?

Green CATCH is your option if you don't have an internet connection. Blue CATCH will operate less efficiently if an internet connection is temporarily lost.

Who installs CATCH?

CATCH must be installed by a qualified electrician.

How far apart can the diverter and communicator be?

That all depends on how much noise is present in the cabling of the house, but we have installed the devices up to 60m apart in very noisy environments and it works.

Does CATCH work on 3-phase solar?

Does CATCH work on 3-phase solar? CATCH is only capable of monitoring one of the 3-phases, so yes it will work but not as effectively as it could. Call us today to discuss our 3-phase solutions.

Is my solar array big enough?

CATCH works on any size solar array, but the table below shows approximately how hot water will be heated from your solar. The balance will come from mains power.

Solar Array Size	Amount Heated*
Up to 2kW	75%
2 - 3 kW	85%+
4+ kW	100%

*The figures above are estimates only. There are many factors that may effect the amount of water heated

I have off-peak hot water so I don't need CATCH, right?

It is true your hot water is cheaper than those paying full price, but with CATCH installed you will still make huge savings. In fact, CATCH is so smart it will automatically know you have off-peak and will use it when there is not enough solar to do the job.

If I have CATCH can I get rid of my off-peak meter?

Yes you can. Once CATCH is installed there is very little need to have off-peak, especially if you have a 3kW or larger solar array.

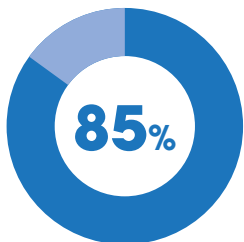
By getting rid of your off-peak meter and moving to Time of Use tariffs, you may save much more than you think. You don't need to worry about your hot water heating on peak rates; CATCH is smart, it knows when the off-peak periods are and if your solar cannot finish the heating CATCH will use off-peak times to finish the job.

Why does CATCH want an Internet connection?

The main reasons for the Internet connection are:

- The Advanced control algorithms are constantly looking at the weather for tomorrow in order to make the best decisions about how to heat your water today. This equates to the most efficient use of your solar to heat your hot water.
- CATCH is also monitoring the performance of your system. You will be notified if it detects a drop in the performance of your solar system.

Solar, together with CATCH, can reduce your reliance on mains supplied power by an average of



Your local CATCH Installer Partner: