



## Take Control of Your Solar Energy



**Green CATCH** is a device that utilises your existing solar installation to heat your hot water.

- Taking control of your solar energy**  
 CATCH will divert the solar energy that is excess to your home and use it to heat your hot water. Forget about constantly changing tariffs.
- Save hundreds of \$/year!**  
 There are significant savings to be made by making better use of your solar electricity.
- Intuitive programming to improve efficiency**  
 CATCH is always assessing how much off-peak has been used and adjusting to maximise the use of your solar.

### TECHNICAL DATA

Max Hot Water Size	<b>4.8kW</b>
Max Load Current	<b>20A</b>
AC Input Voltage	<b>230VAC</b>
AC Frequency	<b>50Hz</b>
Weight	<b>&lt;1kg</b>
Dimensions HxWxL (cm)	<b>10x11x5</b>
Warranty	<b>5yrs</b>

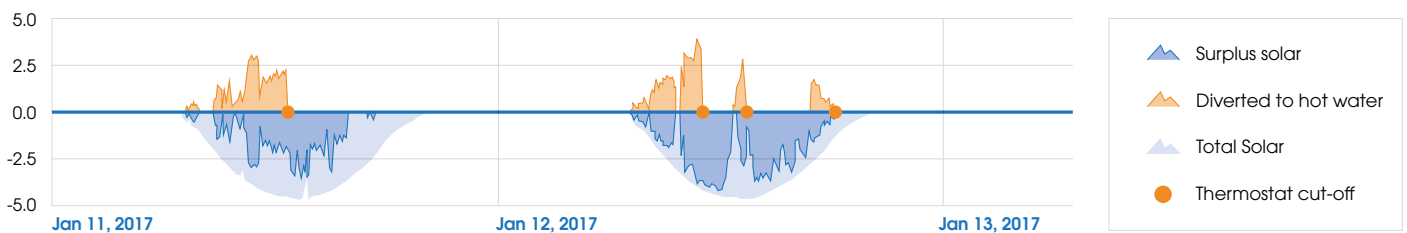
Product is compliant with IEC60950

### How does it work?

Green CATCH is simply a diverter of solar power that is excess to your household.

- CATCH is installed in the meter box.
- CATCH monitors power coming and going from your premises; when the diverter senses power leaving it redirects that power to your hot water service.
- The CATCH Control Pad gives the owner greater control of their hot water heating allowing for shorter days in winter, or an extra boost if required.
- The Control Pad can be adjusted to heat water immediately (from general tariff electricity), to never using the mains at all. Great if you are going on holiday!
- Green CATCH will automatically adjust the timer set to make the best use of your solar. It learns every day.

### 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?

Yes. Green CATCH is specifically designed to work independent of an internet connection.

#### Who installs CATCH?

CATCH must be installed by a qualified electrician.

#### 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. The table below shows approximately how much hot water will be heated from your solar.

Solar Array Size	Amount Heated*
Up to 2kW	75%
2 - 3 kW	75 - 85%
4+ kW	85 - 95%

\*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.

#### How does the user control pad work?

The control over your hot water is right here on the Control Pad. Simply adjust for the seasons to maximise the amount of solar that is used, and not run out of hot water.

#### So just set the timer and that's it?

Not entirely. Green CATCH is always looking at the conditions and when the hot water has reached cut-off. If it happens too early in the day then CATCH will automatically adjust the timer (internally) so as to be as efficient as possible.

#### What if the hot water doesn't reach cut-off through the day?

Green CATCH is always looking to reach thermostat cut-off. If this doesn't happen two days in a row, then on the third night, CATCH will use the off-peak rate to heat your hot water.

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

