

# SOLAR iBOOST

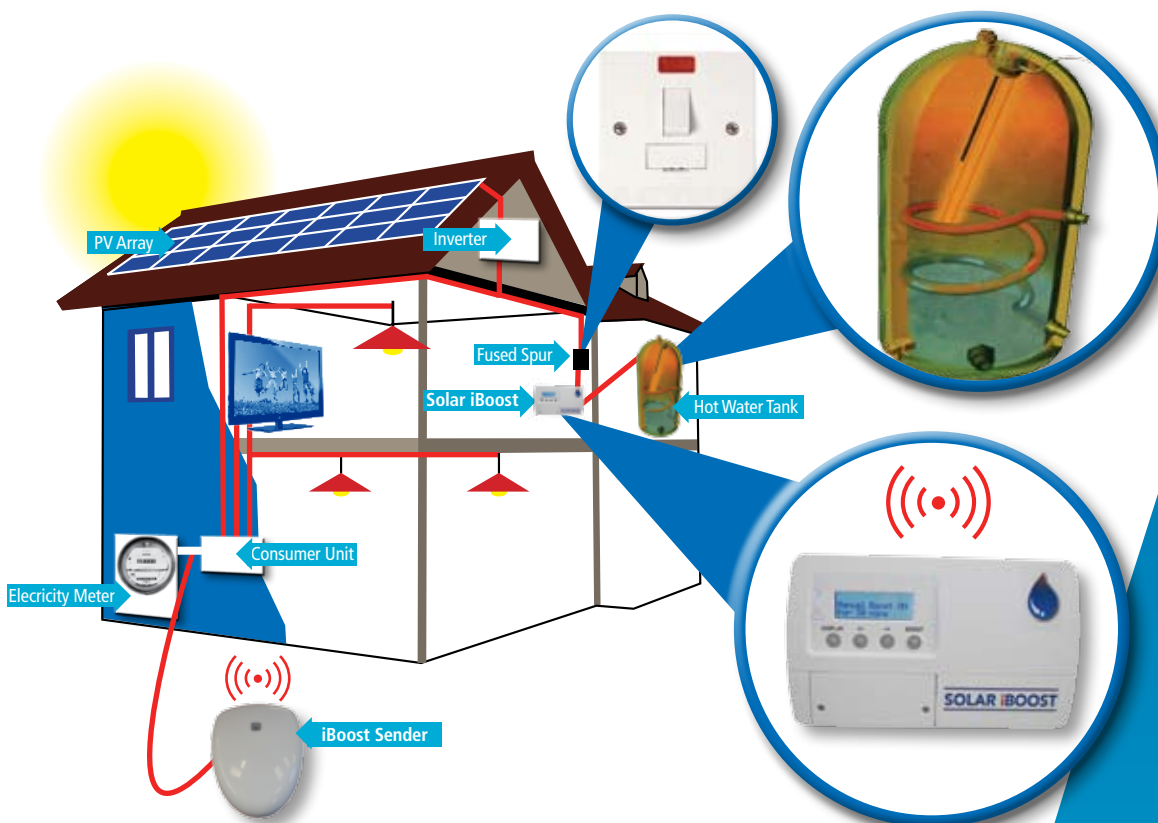
*Uses your PV array to give you **FREE** hot water!*

The Solar iBoost concept is to use the surplus photovoltaic energy generated at your home to heat the water in your household water tank and save you money.

You will benefit from

- Maximising the use of the free solar energy generated at your property
- Cutting the cost of heating your water
- Reduced use of your boiler

Solar iBoost uses **ONLY** energy that would be exported, unlike some similar products, so you take the opportunity to use as much of the free energy that, unless you have an export meter, you are paid for anyway!



*We've designed the easiest to fit, use and monitor device, enabling you to enjoy even more financial benefits from your PV solar investment.*

Here's how a typical household will see the benefit of Solar iBoost:

In a household with a PV array generating a 2kW surplus, just 2.5 hours is needed to raise a 100ltr tank temperature from 20 °C to 60°C giving a saving of approximately £0.50 per day based on average energy prices. (Feb 2013).



*Fit a Solar iBoost and watch your heating bills fall!*

## How Does it Affect my Feed In Tariff Payments?

It doesn't!

Solar iBoost does not affect your FIT generation payments. Where you have a "deemed" usage contract with your FIT provider you will be paid for the export value regardless of whether the energy is consumed or not. This is normally based on 50% of the generation reading and will not be affected. Where an export meter is fitted the benefits of the Solar iBoost can still easily outweigh the rising energy costs of water heating.



### It's Clever but Simple!

- Solar iBoost fits quickly and neatly into your airing cupboard, simply wired between the existing fused spur and the immersion heater.
- It wirelessly receives information continuously from a sender device which activates the Solar iBoost to start water heating.
- A single battery operated radio sensor clamps around the household mains input cable so there's no need for expensive wiring. The sender monitors the flow of electricity and transmits this information to the Solar iBoost.
- The Solar iBoost intelligently controls the amount of energy fed into the immersion heater using information from the sender. It adjusts the energy flow to the immersion heater as your home consumption varies ensuring that only excess power is used.
- There's no need to change your immersion heater as Solar iBoost works with any normal household immersion rated up to 3kW. Also suitable for use with dual immersion systems.
- The digital display informs you how much energy has been saved both historically and in real time. The operating status is monitored and warning lights inform the user of any alerts.
- Solar iBoost works in harmony with your Economy 7 or 10 utility tariffs via user programmable times.
- A boost override switch with timed options gives the user complete control.
- Dims: 260 x 130 x 64mm Wt: 505g



**Contact us today to enhance your PV system benefits!**



**Designed & Manufactured by  
Marlec Engineering Co Ltd**

Rutland House, Trevithick Rd, Corby NN17 5XY

Tel:01536 201588

sales@marlec.co.uk www.marlec.co.uk



*From a reliable and established innovator in renewable energy. Marlec manufactures the Rutland Windcharger and has been offering wind and solar systems for on and off grid energy since 1979.*