

**immersUN**<sup>®</sup>  
The Professional Solution For Self-Consumption

For more information about the immerSUN, please get in touch with your local installer.

Made in Britain  
immersUN is manufactured by 4eco ltd, in the UK

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[www.immersun.co.uk](http://www.immersun.co.uk)

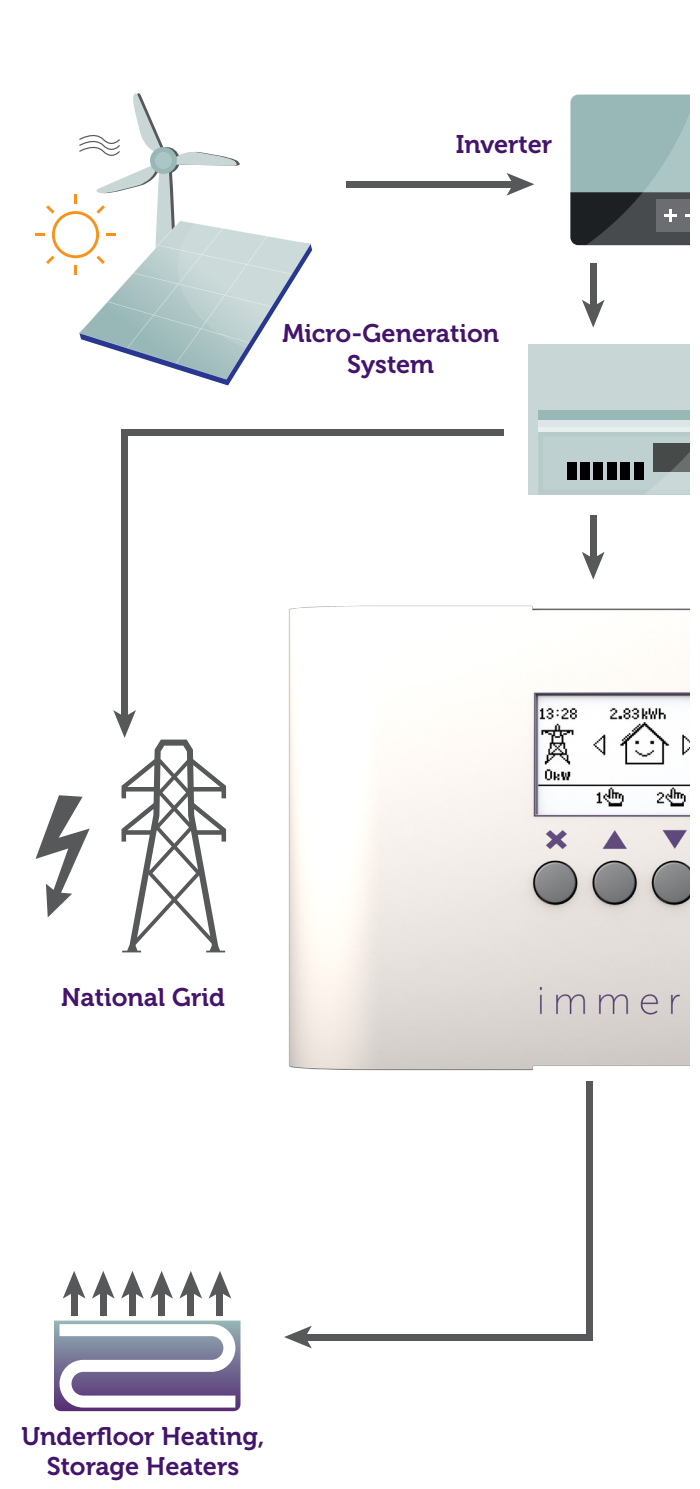


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immersUN is a specialist eco gadget, which helps you self-consume green energy

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## If your home boasts eco technologies, you may be energy efficient, but are you making the most of renewable resources?

Anyone with a microgen system knows that the majority of self-generated energy is exported to the grid, but this doesn't have to be the case.

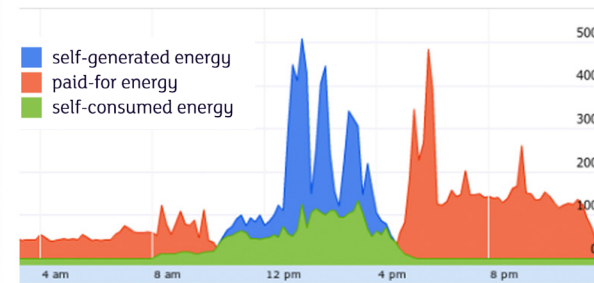
immerSUN is a specialist eco gadget, which helps you to self-consume your green energy.

immerSUN diverts surplus power to an immersion heater, storage heater, or electric underfloor heating.

This means that homeowners can lower utility bills by up to £250 annually, simply by using green energy in the home.

**Efficient, effective and reliable, the immerSUN has been built with the future in mind.**

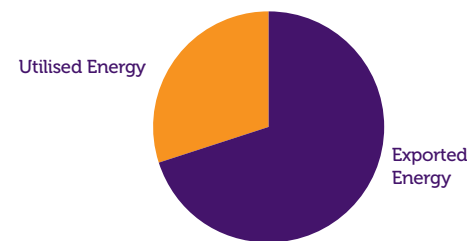
### Without immerSUN



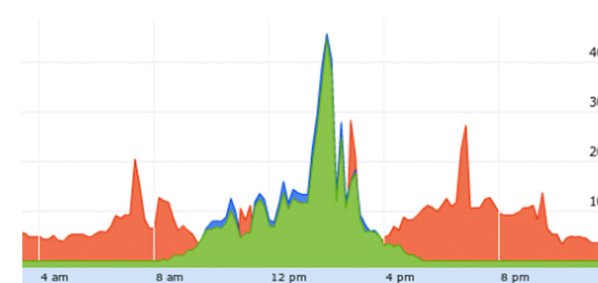
Rather than exporting surplus green energy to the grid, the immerSUN allows you to make better use of self-generated power within the home. The graphs highlight the benefits of complementing your microgen system with an immerSUN.

The first image illustrates typical energy consumption without using an immerSUN. Despite having green technologies fitted, a high percentage of power is sent to the grid, rather than being used in the home.

At peak times this energy is bought back, meaning users see little benefit from embracing renewables.

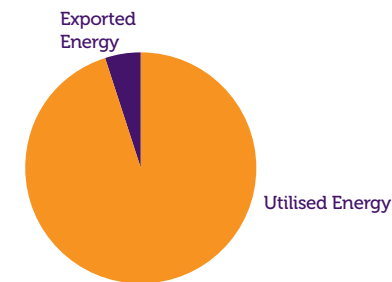


### With immerSUN



However, the graph above demonstrates how fitting an immerSUN alongside microgen systems can minimise reliance on mains supply.

By diverting surplus power to a heating element, almost 100% of green energy is effectively self-consumed throughout the day. This reduces demand for mains supply and therefore minimises utility bills.



### Feature Set

- Trusine technology for fast and smooth power adjustment
- Smart meter compatibility
- Savings recorded daily, weekly, monthly and in total
- Supports economy tariff metering
- Manual & programmable timed boost

### Options

- Wireless current sensor for ease of installation
- Wireless Ethernet connection for saving data logging
- Export control to enable larger systems to be granted by DNO

Full list of features available on our website.

## Trusine™

Unlike other energy management devices, the immerSUN uses 4Eco's TruSine™ power control technology, allowing smooth voltage adjustment to alter power to the load. Unique to the immerSUN, the non-distorted sine wave ensures trouble free operation with all import/export energy monitors as well as energy meters and inverters.



## Electrical Specifications

Power Modulation Method: PWM 1% resolution

Supply Voltage: 100 - 265 VAC

Supply Frequency: 50Hz

Maximum Heater Size: 3.2kW

Minimum Heater Size: 150W

Maximum Export/Import Current: 100A

Dimensions: Width 235mm, Height 152mm and Depth 70mm