

## Increase your ROI

*We estimate a payback period of 3-5 years using immerSUN which will increase the return on your initial PV investment*

## Our higher efficiency drops your energy bills

*Generate electricity and heat your water at the same time*

## Built in hot water programmer

*You have as much control as you desire over the immerSUN's activities*

# immerSUN™

## Paving the way to smarter energy use.

*Get in touch with your installer for more info*

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*We are proud that our products are manufactured to a high standard in the UK.*

# immerSUN™

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

immersun is manufactured by 4eco Ltd

# Finally...

*A cost effective way to heat your water with surplus energy from your PV.*



## Smart water heating

*Utilising surplus PV generated energy, without effecting any FiT benefits*

## Free electricity to use even when you're out of the house

*Excess electricity not used by the house is directed to your immersion heater to heat your water*

## Simple install to start saving

*Our system uses your existing immersion heater - no extras!*

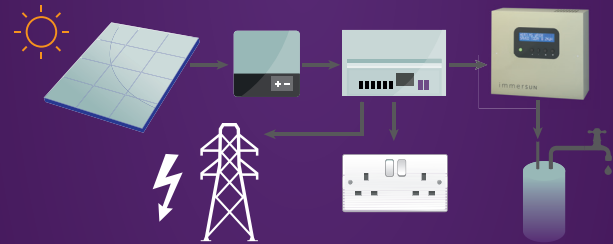
# immerSUN™

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

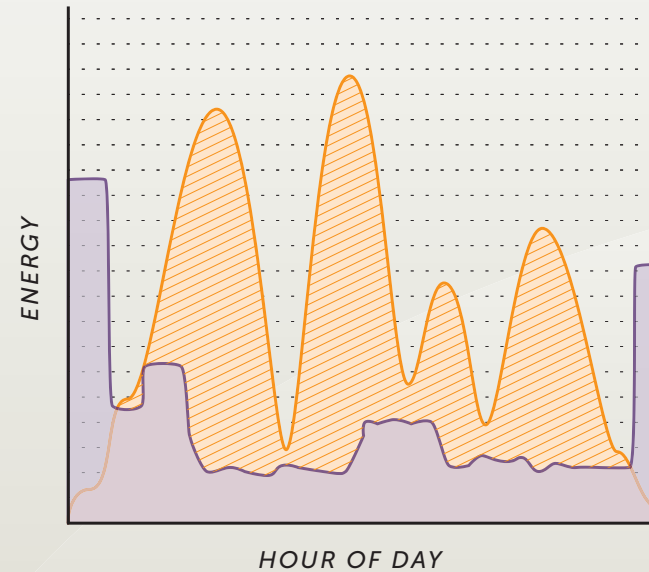
# Small in dimension, big in performance

The immerSUN monitors both the electricity generated by the microgeneration system and that which is coming from or going to the grid.

It then directs any excess generated electricity, not used by the house, to the immersion heater in the hot water cylinder.



## The benefits of adding the immerSUN to your PV system

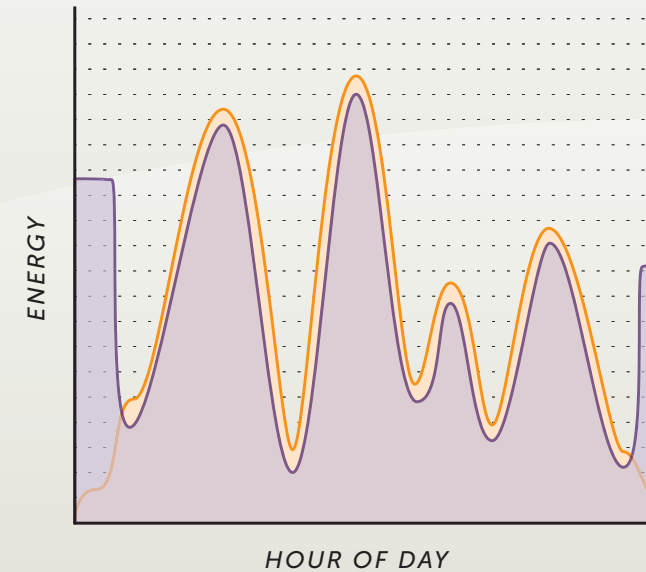


□ PV GENERATION □ USAGE  
▨ UNUSED EXPORTED ENERGY

### Without the immerSUN

The above graph shows exported/wasted energy when a PV system is installed without the immerSUN.

## immerSUN™



□ PV GENERATION □ USAGE

### With the immerSUN

The above graph shows how the immerSUN tracks the generated energy, ensuring that nearly ALL energy available is used.

## Main features

- Uses existing immersion heater
- Can control power to any resistive load up to 3kW
- LCD display shows: energy saved, load power and mode
- Volt-free relay contact can be set to operate for additional loads
- Built-in hot water programmer to set times when water needs to be heated
- Hot water heater boost function
- Maintains settings and time during power outages
- Can control boiler for water boost function or use immersion heater
- Cylinder de-stratification pump control option
- RS485 MODBUS interface
- Several units can be linked together to control many loads
- Can be configured to operate two immersion heaters sequentially
- Non-invasive grid power monitoring using AC current clamp
- Built-in thermal overload protection
- UK manufactured
- 3 Year Product Warranty
- Quality all-metal wall mounted enclosure

## Electrical Specifications

Supply: 220-260VAC 50Hz  
Power Consumption (excluding load): <1W  
Maximum Load: 3.2kW @ 220VAC  
Maximum Load Current: 13A  
Dimensions: 150 x 140 x 64mm

Graphs for illustrative purposes only