

Save more
by using free
energy to heat
your home
and water

Choose the
immersUN[®]...



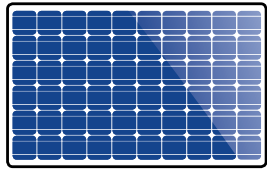
immersUN[®]

THE PROFESSIONAL SOLUTION FOR SELF-CONSUMPTION

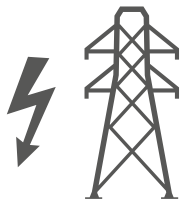
www.immersun.co.uk



 PV array



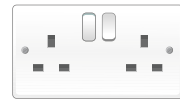
Inverter



National Grid

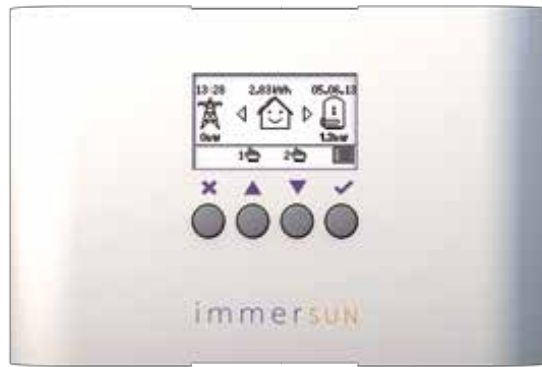


Consumer unit



Other Appliances

Easy to install and once fitted, enables you to divert any surplus energy to a suitable heater. The most common application is heating water in your cylinder tank via the existing immersion heater. You can also connect electric towel rails, storage heaters, far infrared heaters and electric under-floor heating.



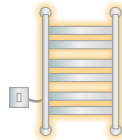
Hot Water Cylinder



Home wifi



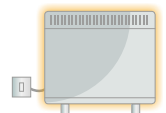
Electric Under-floor heating



Electric towel rails



Far Infrared heater



Storage heaters

myimmersUN® remote monitoring
www.myimmersun.co.uk

The award winning **immersSUN®** is our 'state-of-the-art' energy saving device. It aids self-consumption of surplus energy produced by your solar or wind turbine system

It is compatible with all renewable generation technologies.

The device is essentially an automatic power controller that diverts surplus energy to a designated load, most commonly, a immersion heater.

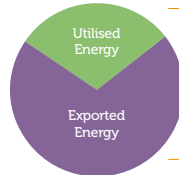
The **immersSUN®** is also suitable for use with storage heaters, electric underfloor heating and far infrared panels.



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

Surplus energy exported back to the grid can be as high as 80% of the total generated by your system. The **immersSUN®** can help use up to 100% of this electricity - **this is completely free!**

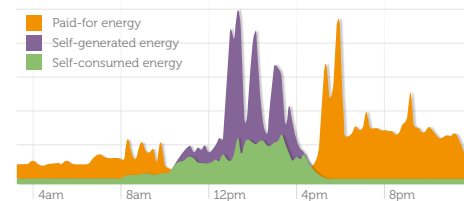
Without **immersSUN®**



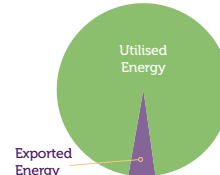
Even though you have microgeneration technology installed, on average, up to 80% of generated energy is exported back to the grid. This results in very little being self-consumed.

Rather than exporting surplus green energy to the grid, the **immersSUN®** 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 **immersSUN®**.

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



With **immersSUN®**

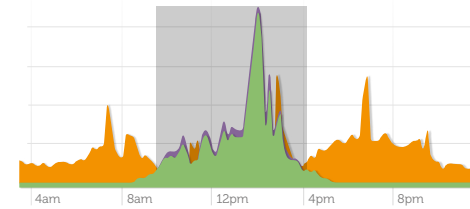


By diverting surplus power to an immersion water heater or other suitable heating load, up to 100% of green energy can be self-consumed throughout the day. This minimises reliance on fossil fuels, thus reducing your homes' utility bills.

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

However, the graph above demonstrates how fitting an **immersSUN®** 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.



Great value for money.....

- Save money and improve your carbon footprint - environmentally friendly.
- 3 year guarantee - built to last 20-25 years.
- Future proof - trouble free operation with all inverters, and compatible with smart meters.
- Clear graphical backlit LCD screen- savings can be displayed in E's or in kWh.
- Savings are recorded daily allowing you to view daily, weekly, monthly and annual totals.
- Built in wireless interface (immerLINK) allows connectivity with my**immersSUN®** remote monitoring and the wireless sensor.
- Optional mains powered wireless sensor with 'up to the second' transmission - fit and forget.
- Manual and programmable 7 day boost timer.
- The **immersSUN®** can control up to three separate heaters sequentially.
- Integral multi-function relay enables;
 - Export threshold control for switching on/off other appliances
 - Pump operation • Boiler control • Fault signal.
- Overload and surge protected for extra peace of mind.
- Short-circuit protection - guaranteed integral short-circuit protection in case of immersion heater failure.
- Optional my**immersSUN®** remote monitoring enables you to monitor all aspects of your household power distribution, in real time.

It's Compliant

- ✓ CE Marked - standards achieved
- ✓ Safety tested - general requirements
- ✓ Electromagnetic Compatibility (EMC) requirements
- ✓ Limits for harmonic current emissions
- ✓ Limitation of voltage changes, voltage fluctuations and flicker



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

Specifications

Power Modulation Method: PWM
 Supply Voltage: 220-240v AC @ 50 Hz
 Heater Load Capacity: 150W- 3200W (3.2kW)
 Dimensions: 235 x 152 x 72mm

Standards

EN60335-1, EN55014-1, EN55014-2,
 EN61000-3-2, EN61000-3-3

myimmerSUN[®]

Watch how much the immerSUN[®]
is saving you, wherever you are
in the world



Available on your PC, laptop, tablet and smartphone,
myimmerSUN[®] allows you to monitor and control
how the energy is used in your home.

Peace of mind at your fingertips!

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