

**The immerSUN is an automatic power controller for heaters. It tracks available surplus power from a grid-tied PV or Wind turbine system and varies the power to the heater to match the surplus power, therefore ensuring all of the green energy is fully utilised.**



## Technology

The immerSUN uses TruSine™ power control technology. This means that the voltage is very smoothly adjusted to alter the power to the heater. The power going to the load is a non-distorted true sine wave, only the voltage is altered.

This control technology is unique to the immerSUN and is more sophisticated than any similar product on the market. TruSine™ technology ensures trouble free operation with all inverters and compatibility with all import/export energy monitors.

## Options

Several add-on options for the immerSUN are available, including:

- Wireless current sensor for difficult installations
- Wireless connection for linking several immerSUN's
- Wireless Ethernet connection for remote data logging
- Export control to enable larger systems to be granted by DNO
- Three-phase power control

## Feature Set

- Tracks surplus power and diverts this energy to the load
- TruSine™ technology for fast and smooth automatic power adjustment
- Works with PV, Wind and Hydro systems
- Clear graphical backlit LCD display
- Indicates current import/export power levels as well as diverted power to the heater
- Savings are accurately reported for the day and each month as well as the total savings.
- Savings can be displayed in several currencies as well as kWhs.
- No need to change immersion heater
- Works with many types of heater including Storage, panel and underfloor
- One immerSUN can control two heaters sequentially
- Only one current sensor for ease of installation
- Built-in 7-day programmable boost timer
- Manual boost function for both heater outputs
- Integral multi-function relay to provide additional functions such as: Economy-7 control, cylinder de stratification pump control and export power threshold detect
- Up to 4 immerSUN's can be linked together for larger systems
- Smart, sturdy metal enclosure designed with the installer in-mind
- Fully short circuit protected in case of load fault
- Over load protection
- Power factor correction
- Soft starting to avoid power surges
- Smart meter compatible
- Compatible with third-party energy monitors
- Complete CE product approvals
- Made in Britain with a 3-year product warranty



immerSUN®

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

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