

wattson SOLAR Plus

Wattson Solar Plus is the only wireless portable energy monitor showing both electricity generated and used in the home.

Wattson Solar Plus

- Measures and displays both energy produced and energy used in your home.
- Glows green when you generate more electricity than you use: 'free electricity*'.
*The amount of electricity generated in excess of what is used in the home.
- Compatible with all brands of inverters: 'inverter independent'
- Even simpler installation with Easifit, avoiding use of a Henley Block or junction box
- Works with all solar, wind and hydroelectric 230 VAC generation systems.



- ABOVE AVERAGE USAGE
- YOUR AVERAGE USAGE
- BELOW AVERAGE USAGE
- EXPORTING ELECTRICITY



Wattson Solar Plus allows you to see how much power you are generating, and how much you are using, on the same portable display.

The display shows the electricity in use in your home at any given time in cost, watts or kg carbon. Choose your preferred display from a selection of pre-set modes, in numbers and/or colours, for better visibility of your daily electricity activity.

Wattson Solar Plus alerts you when you are generating more power than you are using by immediately glowing green. Being aware of excess generation allows you to maximise the returns on your PV system by using electricity when you are generating excess.

DISPLAY GLOWS
GREEN WHEN YOU
ARE GENERATING
FREE*
ELECTRICITY

Wattson Solar Plus is the most useful and cost effective solution for the display of electricity generation and usage within the home.

INSTALLATION

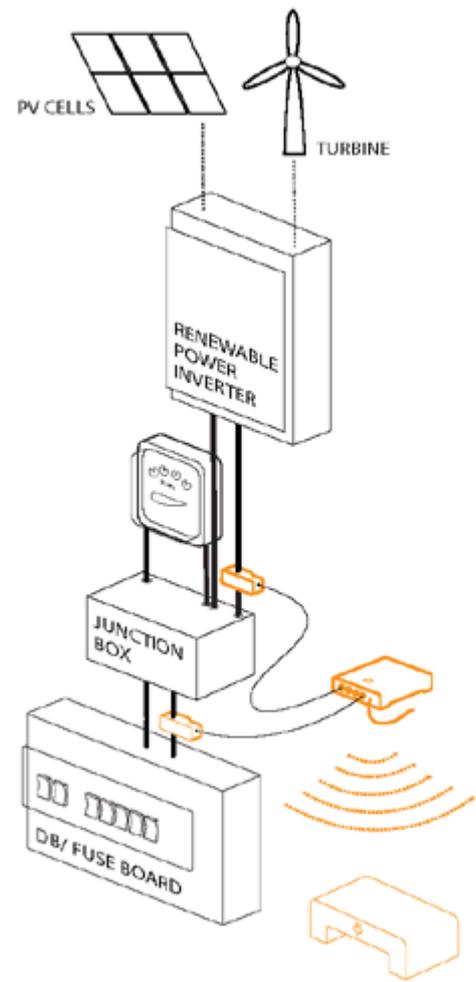
Wattson Solar Plus uses sensors that simply clip around the outside of electricity cables to get its power data. The data is then sent wirelessly from the transmitter to the display.

It works with 210V-240V single phase or 400V-460V three phase electricity supplies and uses flexible tariff structures to suit most pricing plans and feed-in-tariffs.

To self-fit the sensors, there needs to be access to either the live or neutral wire (single-core wires); if they are contained within a single big cable either side of the fusebox (consumer unit) then the sensors should be fitted professionally by a Solar Installer.

The ease of installation of Wattson Solar Plus in the two most common site environments is shown opposite. Installation with Easifit replaces the need for a Henley Block or junction box.

The display's internal memory can hold up to 28 days' worth of measurements. Software is available on our website to export, view and analyse generation and usage activity over long periods of time. Simply plug the device into a computer using the USB cable included.



Wattson Solar Plus with Henley Block

DISPLAY OPTIONS

USING THE BUTTON

Wattson has a single button to switch between display modes:

Grid: how much power is being imported from (+ve) or exported to (-ve) the grid

Usage: how much power is being used in real time

Solar: how much power is being generated

Total Energy Generated: a counter showing how much energy has been generated

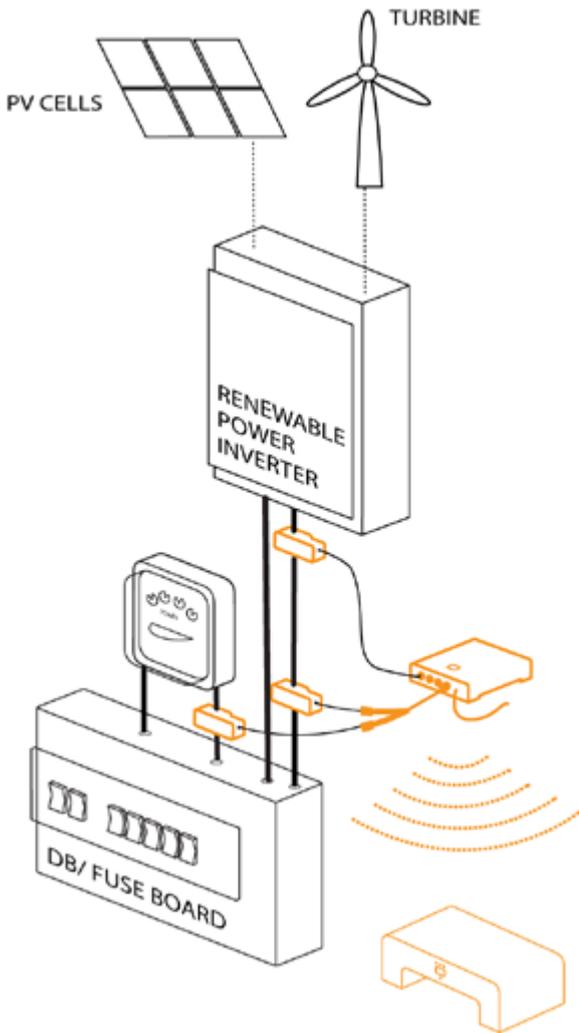
Colours only: current usage displayed using Wattson colour key

Night mode: reduces the number of lights that are on, reducing the amount of energy the display uses

Clock: time together with power in watts displayed.



TECHNICAL SPECIFICATIONS



FEATURES	WATTSON SOLAR PLUS
Inputs measured	Ability to measure up to 3 phase systems for both usage and generation
Cable diameter	12.5mm
Max power/current	11.5kW/50Amp
Ambient light mode	RGB LED
Transmitter/receiver	433.92Mhz transmitter receiver, approx. 30m range in buildings
Refresh rate	3 – 20 seconds user changeable
Transmitter power	DC power (supplied) also optional battery power
USB	1.0 compatible USB-A to USB mini-A cable supplied
Currency display	£, \$, €, R, P, k, F
Software compatible	Mac & PC
Packaged weight (g)	1150
Carton contents	12 units
Equipment compliance with harmonised standards	EN 61558-1:2005 EN 300-220-2 V2.3.1 EN 301 489-1 V1.9.2 EN 61326-1:2006 EN 61326-2-2:2006 EN 61010-1:2010

Wattson Solar Plus installation with Esafit

TILT SELECTION

Switch between:

Watts

Cost per year

Amount of carbon in Kg or Tonnes

*FREE ELECTRICITY

As utility companies have decided not to pay hundreds of pounds per customer to install export meters, almost everyone gets paid as if they use 50% of the energy they generate and export 50% of it. That means homeowners get paid the same regardless of how much of their own generated energy is actually used.



ACCESSORIES

Wattson Solar Plus offers a range of accessories to improve usability and reduce installation costs.

Additional parts

Wattson Solar Plus can work with multiple displays and multiple transmitters. This simplifies installations where the consumption meter and generation meter are some distance apart. In cases where the sensor and the transmitter are relatively close, 3m extension cables may be required, or for larger distances additional TX for Wattson transmitters are available.

TXact

TXact is a more precise sensor and transmitter which can simply be wired into the generation meter, to provide near meter level accuracy for the generation reading. The new TXact transmitter can be purchased separately.

Easifit

Easifit is a kit that simplifies the installation of the Wattson Solar Plus. It removes the need for an installer to fit a Henley Block or Junction box to separate the electricity usage from electricity generation. Wattson Solar Plus with Easifit comes with the Easifit kit: 1 x 50 Amp sensor clip and 1 x Y - cable.

WHAT'S IN THE BOX?

- Wattson Solar Plus
- 1 x Wattson Solar Plus display
- 1x TX for Wattson transmitter
- 2 x 50 Amp sensor clip
- 2 x DC power supply
- 1 x instruction booklet



YOUR BUSINESS
CARD HERE

WATTSON PRODUCTS

- Wattson Solar Plus
- Wattson Solar Plus with Easifit
- Wattson Classic
- WattsonXL
- Wattson Professional

BPVA British Photovoltaic Association