

wattson SOLAR Plus

The energy monitor showing electricity generation, usage and net usage; Wattson Solar Plus maximises returns on your Solar PV by giving you the green light to use your free electricity.

Measures and displays both electricity generation and usage in the home or office.

Glowes green when more electricity is generated than used, showing when to use your free electricity.

Inverter independent, compatible with all inverter brands.

Easifit option to remove the need for a Henley Block or junction box.

Works with all solar, wind, hydroelectric 230 VAC, single and three phase generation systems.



- Shows you have surplus electricity
- Below average usage
- Your average usage
- Above average usage



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 electricity being generated and used in your home in real 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 electrical 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 understanding when to use your free electricity and how much is available.

**GLOWS GREEN
WHEN YOU HAVE
SPARE
FREE*
ELECTRICITY**

INSTALLATION

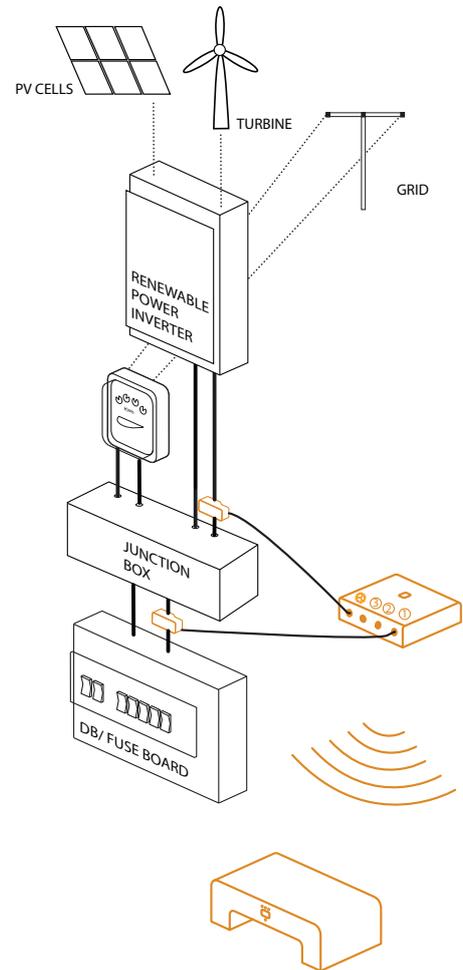
Wattson Solar Plus uses sensors that simply clip around the outside of electricity cables to get its power data. The data is then sent wirelessly from the transmitter to the display.

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.

With the range of Wattson accessories, it is simple to: measure three phase supply, three phase generation, install Wattson Solar Plus in more complex environments as well as boost its functionality. Accessories are available from your usual Wattson supplier.

The two most common site environments are shown in the diagrams opposite. Wattson Solar Plus is recommended for PV installations that include a Henley Block or junction box. Wattson Solar Plus with Easifit is recommended for all other installations.



Wattson Solar Plus with Henley Block or junction box



Holmes software, for MAC or PC, allows users to analyse their use of energy.

DISPLAY OPTIONS

Wattson has a single button to switch between display modes:

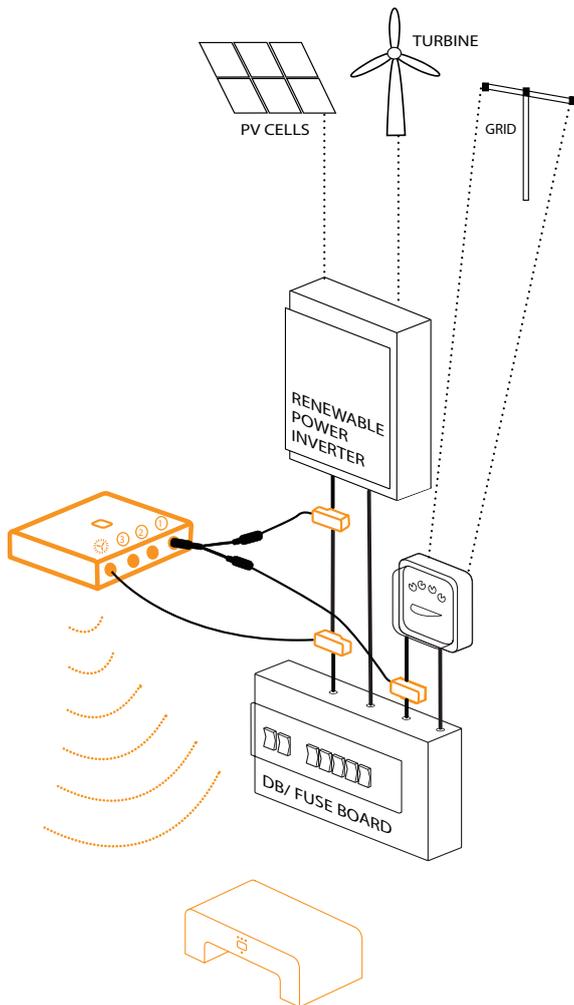
Grid: how much power is being imported from (+ve) or exported to (-ve) the grid.

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 in kWh, money earned and carbon saved.

TECHNICAL SPECIFICATIONS



Wattson Solar Plus installation with Easifit

FEATURES	WATTSON SOLAR PLUS
Phases measured	Standard unit measures single phase supply and single phase generation. Accessories are available for measuring 3 phase supply and/or 3 phase generation.
Cable diameter	12.5mm
Max power/current	11.5kW/50Amp per phase
Ambient light mode	RGB LED
Transmitter/receiver	433.92Mhz transmitter receiver, approx. 100m through air & 30m range in buildings
Refresh rate	3 – 20 seconds user changeable
Transmitter power	DC power (supplied) also optional battery power
USB	1.0 USB-A to USB mini-A cable supplied
Display log memory	Continuously for 28 days
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

The display's internal memory can hold up to 28 days of data which can be extracted to a computer using the Holmes software.

This allows users to track their energy use and generation graphically. They can view data, analyse activity over long periods of time, as well as export their data to a spreadsheet. Holmes is available to download at www.wattsonsolar.com/holmes.



ACCESSORIES

**NEW OPTI-RANGE
USE ELECTRICITY
WHEN IT'S FREE**

A range of accessories is offered for more flexible and convenient Wattson Solar Plus installations.

Easifit

For installations without a Henley Block / junction box, it is required for a correct usage reading on Wattson.

3 Phase Generation

All you need in order to measure three phase generation. Available with or without Easifit.

50 Amp Sensor Clips

Additional CT clips for three phase installations. Cable length is 0.75m.

3m Extension Cable

Three metre extension cables for when the sensor and transmitter are some distance apart.

TX for Wattson

Additional standard transmitter for Wattson. Ideal for PV systems with extra consumer units and sub-circuits.

TXact S0

A more precise sensor and transmitter to provide near meter level accuracy for the generation reading. Can measure up to three phases of usage with additional 50 Amp Sensor Clips.

Wattson Display

Additional display for those who wish to show their electricity generation and usage in two or more places.



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BPVA British Photovoltaic Association

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Vision and Empowerment