





Essential settings

Your **Solo II** will start to show you your energy consumption as soon as it is installed. To get the most out of your display, enter your current electricity tariff and set a budget.

Set a budget

Your **Solo II** can indicate if you are using more or less energy - and hence cost - than you have budgeted for. A green ✓ means the display predicts you will be under budget and a red cross ✗ the opposite, based on previous usage patterns.

To set a budget:




- Press and hold  until [BASIC] is shown;
- Press  repeatedly until you see BUDGET;
- Use ◀ and ▶ to select from DAY, MTH (month) and YR (year) for how you plan to budget and then press  to set;
- Finally use ◀ and ▶ once more to set the budget and press  when you have finished.

Your **Solo II** will now show you your performance against the budget and start to learn your energy usage patterns.

Enter your tariff

Do you know what your electricity tariff is? Is there a standing charge and are certain times of the day priced differently? You may need to speak to your utility or check a recent bill to find the answers to these questions before you set up your **Solo II**.

To configure your tariff:

- Press and hold  until [BASIC] shows;
- Press  until you see TARIFF1 and a number flashing;
- Use ◀ and ▶ to change the tariff and then press  to set.
- If you have a tariff that changes during the day (known as a 'time of use' tariff), then you can set the start and end times of two further tariffs. Use ◀ and ▶ to change the times and the rate.

Once your tariff has been entered in to your **Solo II** it will start to show you how much your energy has cost. Refer to the online user manual for further details on setting up tariffs.

Settings

For information on other settings for your **Solo II**, refer to the online user manual.

Safety notice

It is important to observe some simple safety precautions when using this product. Safe operation of your **Solo II** is impaired if used in a manner not specified by the manufacturer.

-  Keep the **Solo II** away from water and other liquids. Disconnect from the mains power supply before cleaning (with a soft, dry cloth only). Please contact your supplier if any components appear damaged or faulty.
-  Your **Solo II** is designed to be used in an indoor, domestic environment only.
-  To protect the environment, this product and its batteries must be disposed of safely at the end of its life.
-  This product is CE approved.
-  This product complies with RoHS regulations.

Troubleshooting

My display is not showing any information

This could be because your display is out of range and is not communicating with the transmitter / meter.

The signal strength to the transmitter is shown on the top left of the display. The more bars shown, the better the signal and performance of the display.

Try moving your display closer to the transmitter and meter. If problems persist, please refer to our website.

My display is blank or has switched itself off

The display backlight may have turned itself off if configured to do so. Press any button on the display to switch it back on.

The backlight can be set to switch off between certain hours of the day. To make a change to this setting, enter the [ADVANCED] settings and change **DISPLAY OFF** and **DISPLAY ON** to your requirements.

If the display remains off even after pressing a button, check the power supply connection and then refer to our website if the problem persists.

Further information

This guide is designed to introduce you to the **Solo II**. In it you'll find some basic information about the key features and functionality.

User manual

A full online user manual is available at <http://www.greenenergyoptions.co.uk/solo2>

Technical specifications

Solo II display

This product is intended to be used indoors in a domestic environment. It is not suitable for outdoor use.

Display model	Solo II (3CT) / PCK-S2-007
Supply voltage	240Vac, 50Hz
Operating voltage	5Vdc
Operating power	< 0.6W
Operating temperature	0 to 40°C
Operating humidity	0 to 85% non-condensing

Manufacturer

Green Energy Options Ltd.
3 St. Mary's Court, Main Street, Hardwick, Cambridge
CB23 7QS, UK

This unit has been tested and conforms to the following standards:

Health & Safety (Article 3.1a)	EN 60950-1:2005 (2 nd edition), Am 1:2009 *
EMC (Article 3.1b)	EN 301 489-3 V1.4.1 EN 301 489-1 V1.8.1 EN 5502:2006 / A1:2007 (Class B) * EN 61000-3-2:2006 * EN 61000-3-3:2008 * EN 55024:1998 / A1:2001 / A2:2003 *
Spectrum (Article 3.2)	EN 300 220-2 V2.3.1

* Denotes specific standards for the power supply



Solo II

QUICK START GUIDE



Introduction

The **Solo II** shows real-time information about the electricity your home is using. It uses a low power radio frequency to talk to the supplied transmitter connected to your electricity meter.

Using the optional internet bridge you can use energynote® - geo's online service - to access real-time information from your PC, smartphone, tablet or other Internet-enabled device.

Please read the important safety notice in this document before using your display.

What's in the box?

Your **Solo II** CT package contains the following items:

- **Solo II** energy display
- **Solo II** removable stand
- Power supply
- Wireless transmitter and batteries
- 3 x CT clips
- Quick Start Guide

If any items are missing, please contact your supplier. A more detailed user manual is available online - see the back of this guide for more details.

Setting up your display

Connecting the power supply

Connect the power supply to your **Solo II**. Your display will turn on automatically when you plug it into the mains.

Always disconnect the power supply before cleaning your display.

Do not use any other power supply - you must only use the power supply that comes with your **Solo II**.


Wall mounting your display

Your **Solo II** can be either free standing or wall mounted.

To wall mount, remove the stand from the rear of the display by sliding it downwards and then secure it to the wall with two flat-head screws.

Connecting the transmitter

Your **Solo II** uses a low power radio transmitter that is connected to your electricity meter to receive information on your energy usage.

 *Installing the transmitter is simple - but if at any point you are unsure about how to connect the transmitter safely, please seek professional advice or speak to your energy provider.*

Locate your electricity meter

You will need to know where your electricity meter is located and have access to the cables that connect to it.

Typically there are four cables: one pair for live (L) and neutral (N) from outside the home and a second pair that connect to your fuse panel.

Connecting the transmitter

Your **Solo II** works with single or three-phase electricity supplies using one or three CT clips.

For single-phase, connect a CT clip to one of the live (L) cables that are wired to your meter - the live cable is usually coloured brown or red. Open the CT clip first, place it around the cable and then firmly close it - until you hear a 'click' indicating that it is tightly connected to the cable.

Connect the other end of the CT clip cable in to one of the three sockets on the bottom of the transmitter.

For a three-phase supply, repeat this process for all three live (L) cables wired to a single three-phase or multiple single-phase meters.

Installing the batteries

The batteries are already installed in your transmitter. Remove the cover by pressing the tab on the back and sliding the cover upwards.

Pull out the red tab and your transmitter will power on.

Testing the connection

Your **Solo II** has been pre-paired with the transmitter in the factory, so as soon as your transmitter is connected and your display is powered on, you should start to see the speedometer at the top of the display showing energy being used.

Follow the simple steps later in this guide to tell your **Solo II** how much your electricity costs and set yourself a budget.

Solo II overview

Signal strength

Indicates the quality of the signal between your **Solo II** and the transmitter. Five bars = maximum strength.

Internet

With the optional internet bridge, the cloud icon indicates a working internet connection.

Tariff

If you have more than one tariff, these three icons show the current tariff. 1 icon = lowest, 3 = highest.

Battery

If the batteries need replacing in your transmitter, this icon will flash. Replace them as soon as possible.

Speedometer


The large dial shows the current rate of energy consumption for your home.

The more segments shown, the greater the amount of power is being used.

The light orange section shows up to 1kW of power, the darker orange up to 8.5kW and the red (on the right) shows up to a maximum of 21kW.

As you turn appliances on and off, the speedometer will change.

The numbers show the current power consumption in cost, energy (kW) and kg of CO₂. All based on an hourly rate.

If you press the  button, you can switch between cost, kW and CO₂.

Budget




This indicates whether you are predicted to be over or under the budget you set.

The more green or red segments shown, the more you are under or over your budget.

Temperature


Current indoor and outdoor temperature (if fitted).

Buttons

 button changes the total period.  switch between cost, kW and CO₂.  enters the stopwatch mode.




Total

The middle section of the display shows how much you have used over time.

If you press the  button, the **Solo II** will show the total for today, yesterday, day before yesterday, this week, last week, this month and last month.

Stopwatch

Your **Solo II** has a function to let you record a specific timed event, such as using a washing machine.

Press the  button to enter the stopwatch mode. Use the  button to start or stop the stopwatch. A long press of  will reset the stopwatch.

Press  to exit the stopwatch.

If the stopwatch is in **RUN** mode, a small clock icon will be shown.

LED

The coloured LED indicates the rate of consumption.

Green is under 1kW, orange is between 1kW and 8.5kW and red is when using over 21kW.