iBOOST+ BUDDY

Operating Instructions

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Contents

Technical Specifications

Operating Voltage:	220-240 Vac
DC Input Voltage	5Vdc 0.5A
Operating Ambient Temperature Range:	0 to 40°C
Operating Radio Frequency	868.3 MHz
Radio Range	1 to 30m indoors (dependant on construction and local conditions)
Approvals:	EN 60950-1, EN 301 489-3, EN 300 220
Dimensions:	132H x 112W x 55D mm

The iBoost+ *Buddy*…

Check you have received:

Assembly

Before use, the iBoost+ *Buddy* must be assembled onto its base and the power supply connector plugged in to the bottom of the unit.

- Fit the connector from the power supply into the socket in the bottom of the unit. The lead routes to the rear.
- Click the base into the unit with the cable routing out through the slot.

Pairing to the Solar iBoost+

The *Buddy* must be paired with your Solar iBoost+ to operate. When first powered up the display will state `Not Bound`.

Follow this simple pairing procedure to join with the Solar iBoost+

1. Press and hold both **B** and **Boost** buttons on the *Buddy* for 5 seconds, the display will show:

`Install Mode` `58s Unbound`	The Buddy will allow 1 minute to pair before timing out. The countdown is shown.

2. During the 60 second countdown move to the Solar iBoost+, press any button to switch on the backlight. Immediately press and hold button B on the Solar iBoost+ for 5 seconds then release.

3. The Solar iBoost+ display will show: `Pairing with Device...`

When the pairing is successful the Solar iBoost+ will show:

`Pairing Successful`

The *Buddy* will display:

`Install Mode` `05s Bound`	The Buddy is fully paired after 5 seconds.

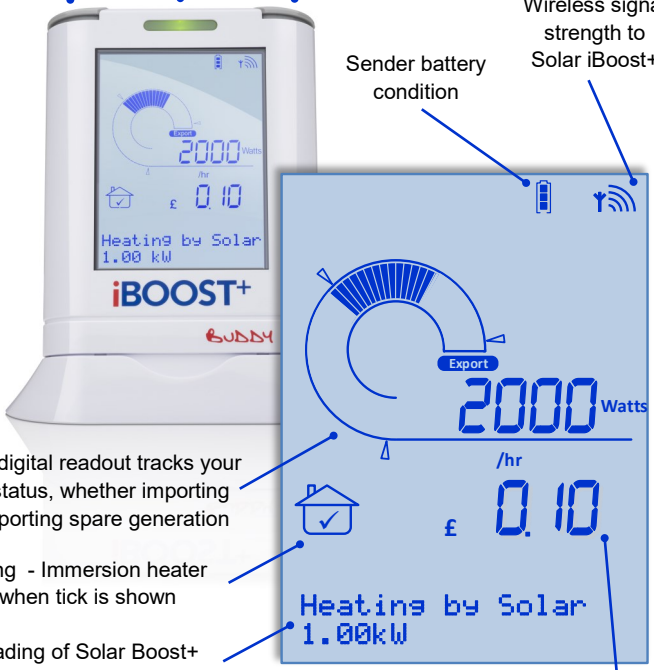
If the pairing fails the *Buddy* display will time out and again show:

`Not Bound`

Repeat the procedure until the pairing is achieved.

4. Finally, locate the unit in a convenient position.

Get to know your iBoost+ *Buddy*



eco-gauge and digital readout tracks your home energy status, whether importing from grid or exporting spare generation

Water heating - Immersion heater supplied when tick is shown

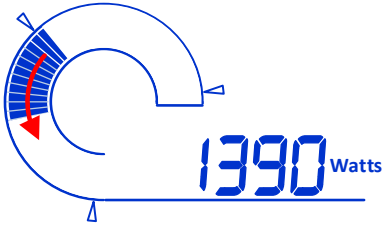
Remote reading of Solar Boost+ instant and historic water heating savings

Set your energy cost to see instant savings per hour

eco-gauge

The eco-gauge provides a simple indication of the amount of generation available from your PV system or the amount of power you are taking from the grid.

When the gauge moves in the direction of green arrow and the export symbol is shown, your household is generating more power than it is using and therefore exporting some power onto the grid. The value of energy available to use is shown in Watts. The Solar iBoost+ will be diverting energy to your immersion heater unless the tank is hot.



When the gauge moves in the direction of red arrow, your household is taking energy from the grid and the amount of power taken is shown.

Solar iBoost+ Remote Readings

The *Buddy* provides information remotely from your Solar iBoost+ displaying the status of your water heating.

Heating by Solar 1.52 kWh	Solar iBoost+ is diverting energy to the hot water tank. The instant value of energy being diverted is shown.
Water Tank HOT	The Solar iBoost+ is attempting to divert energy to the immersion heater but tank has reached maximum temperature and has switched off.
Water Heating OFF	There is no excess generation for the Solar iBoost+ to divert to the hot water tank.

Instant Savings

The *Buddy* provides an instant check on the monetary saving your Solar iBoost+ is making.

The *Buddy* calculates the savings in £ per hour from the amount of energy being diverted to the immersion heater and the cost of your electricity supply.

To see your savings, simply program the cost of your daytime electricity from your utility bill into the *Buddy* using the programming mode, see page 11.

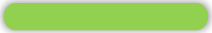
Savings History and Timed Boost Season Selection

Historic savings information from your Solar iBoost+ can be viewed on your *Buddy*. Press the **Display** button to cycle through the following displays:

Saved Today 3.66 kWh	Present days energy diverted into the immersion heater.
Saved Yesterday 8.56 kWh	Previous days energy diverted into the immersion heater.
Saved Last 7 days 20.48 kWh	Total energy diverted into the immersion heater in the past 7 days.
Saved Last 28 days 70.97 kWh	Total energy diverted into the immersion heater in the past 28 days.
Saved Amount 390.20 kWh	Total value of energy diverted into the immersion heater since Solar iBoost+ was installed.
Time 10:15 01/07/15	Current time and date in 24hr format.
In Summer Boost Toggle Press A	Timed Boost Season. This can be changed remotely by pressing button **A**.
Final Display button press	Each press of the **A** button will change the setting between Summer, Winter and Boost OFF selections.

Traffic Light Energy System

A simple colour indicator on the top of the unit informs you of the status of your energy supply, whether exporting due to excess generation, importing from the grid or around neutral.



The indicator glows green when more than 300W of generation is being exported. Appliances may be switched on to make use of this energy. The eco-gauge shows how much energy is available.

When importing more than 300W from the grid the indicator glows red.

While the indicator glows amber the overall household consumption is around neutral. When the Solar iBoost+ is operating, available generation will be diverted to the immersion heater usually resulting in a neutral household consumption.

Remote Boost

The *Buddy* can remotely control the Manual Boost of your Solar iBoost+. Full grid power is switched to the immersion heater for the period of time selected on the *Buddy*.

1. Press the **Boost** button, each press of the **Boost** button adds 15 minutes to the boost time up to maximum of 2 hours. The amount of time remaining is shown on the display.
2. To cancel the boost simply press the **Boost** button repeatedly until ‘Manual Boost OFF’ is shown.

Note that electricity is drawn from the grid if generation is too low.

Programming

The programming function allows:

- Setting the date and time of the clock for the Solar iBoost+
- Programming the price of your electricity supply to provide a calculation of instant savings.

The *Buddy* is programmed using push buttons **A** and **B**. To programme:

1. Press and hold button **A** for 3 seconds. The first item in the sequence below is shown.
2. The first digit becomes active and flashes. Press button **B**, each press adds 1 to the value until the digit required is reached.
3. Press button **A** once to confirm and move on. Repeat 2, press **A** to confirm and move on.

To allow the *Buddy* to calculate instant savings, the cost of your energy supply must be programmed. Enter the price of daytime energy as provided on your utility bill. The price is entered as pence per unit or pence per kWh.

Sets the internal clock of the Solar iBoost+. Set the current date and time in 24hr mode.

Further Support

To find out more about how Solar iBoost+ works or for technical support, visit www.solariboost.co.uk

Limited Warranty

The SIB Energy Company Limited Warranty provides free replacement cover for all defects in parts and workmanship for 24 months from the date of purchase. SIB Energy Ltd obligation in this respect is limited to replacing parts which have been promptly reported to the seller and are in the seller's opinion defective and are so found by SIB Energy Ltd upon inspection. A valid proof of purchase is required if making a warranty claim.

Defective parts must be returned by prepaid post and accompanied by a Returns Authorisation available in advance from Marlec Engineering Company Limited, Rutland House, Trevithick Road, Corby, Northamptonshire, NN17 5XY, England, or to an authorised agent.

This Warranty is void in the event of improper installation, unauthorised service, use of unauthorised components, owner neglect, misuse or natural disasters including lightning strike. This warranty does not extend to ancillary equipment not supplied by the manufacturer. No responsibility is assumed for incidental damage. No responsibility is assumed for consequential damage.

Disclaimer

SIB Energy Limited has a policy of continuous improvement in product quality and design. The company, therefore reserves the right to change the specification of its models at any time. All items in this guide are for illustration purposes only and may not apply to your particular situation.

Disposal of Old Electrical Appliances

For electrical products sold within the European Community.

At the end of this products useful life, it should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice in your local area.

SIB Energy Limited ⁞ Peterborough ⁞ PE3 6SR