

SOLAR iBOOST+

The Kettle Test

How to Check if Solar iBoost is Working



This document provides installers and users with a simple method of checking that the Solar iBoost diverts energy when $>100\text{W}$ ($>200\text{W}$ in original version) of energy is detected.

NB: this test works even if the clamp is incorrectly located. Read Fault Finding Guide 1 –Correct Installation of the Clamp to ensure only export energy is diverted.

Please follow these instructions carefully and ensure that when the test is complete you return the system to it's correct installation.

1. Shutdown the PV array following the procedures prescribed by the PV installer.
2. Reverse the orientation of the clamp on the Solar iBoost sender.
3. Fill a kettle and switch it on.
4. Without delay check the Solar iBoost display.
5. Whilst the kettle is on the display will ramp up the kW reading to within the limit of the immersion heater or kettle rating but no more than 3kW.
6. If step 5 is successful the Solar iBoost has been proven to operate. *Return the clamp to its correct operating position.*
7. If step 5 is not successful refer to other fault finding guidance. *Return the clamp to its correct operating position.*
8. Switch on the PV array following the start up procedures specific to the PV system.

CAUTION!

NEVER LEAVE THE CLAMP IN THE INCORRECT ORIENTATION AS THIS CAUSES ELECTRICITY TO BE IMPORTED FROM THE GRID AT COST TO THE HOUSEHOLDER!

