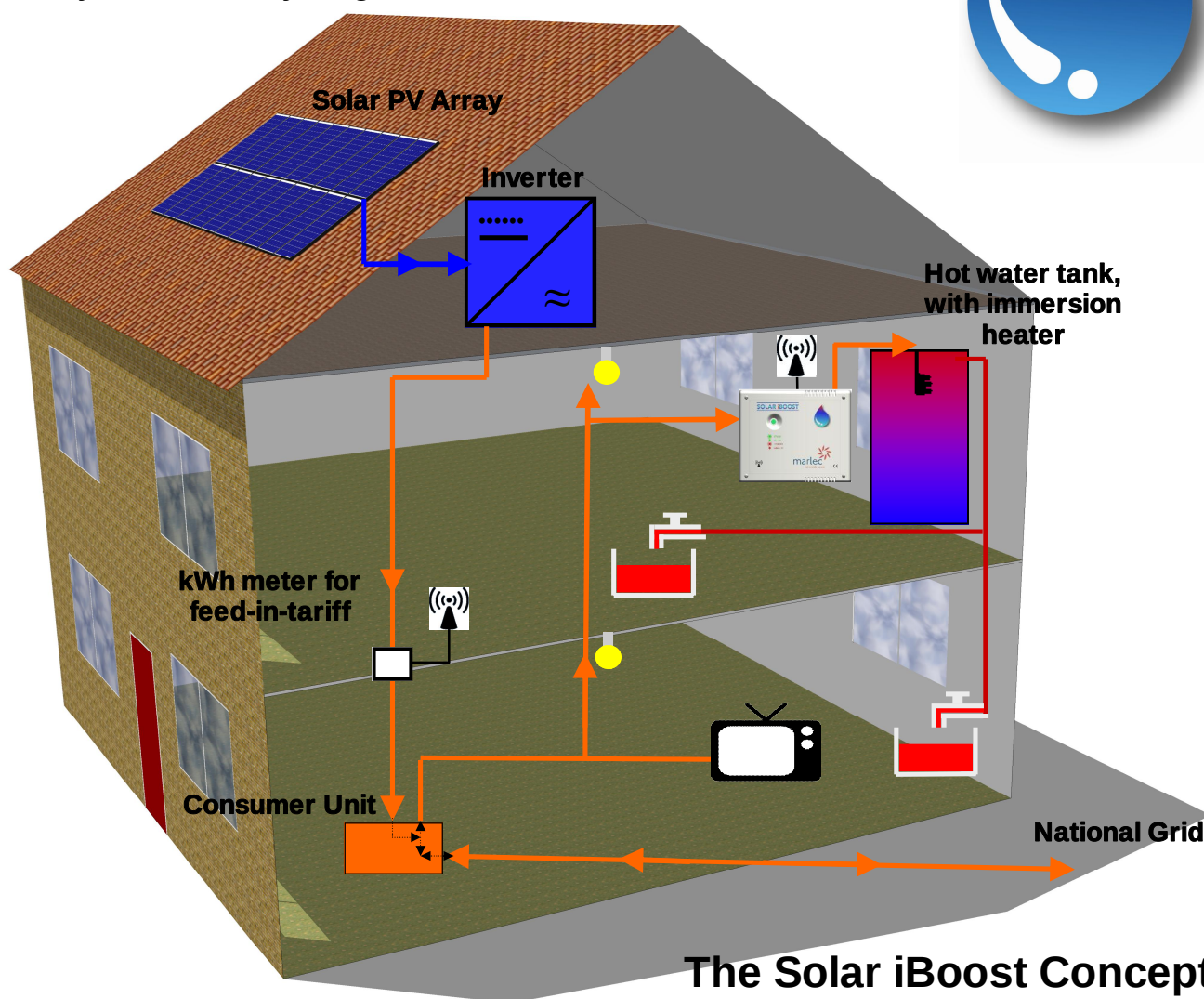


SOLAR iBOOST

Use your PV array to get **free** hot water !



The Solar iBoost Concept



The Solar iBoost concept is to maximise the free pv energy generated to also cut household water heating bills.

- Solar iBoost saves you money by subsidising your usual water heating gas or oil usage
- Utilises power generated from your solar PV array during the day to heat your hot water in about 8 hours

Cost effective

- Uses the pv power in preference to export, delivering extra savings
- Saves more in gas /oil fuel bills than the pv grid export rate if metered
- Achieves payback at typically < 4 years
- Does not affect the export or Feed -In Tariff
- Increasingly cost effective as energy prices continue to rise

It's Clever but Simple!

- Software controls the parameters and operation of the Solar iBoost. A consistent minimum level of pv output is required before switch on and draw is limited to ensure grid power is not consumed by the immersion.
- Wireless operation makes this simple for your electrician to fit between the fused spur and immersion heater
- Automatic operation in harmony with your immersion.
- Energy diverted adjusts automatically to the amount generated from the pv array
- LED switch indicates status, press it for manual override functions

Designed &
Manufactured by

marlec
renewable power

Marlec Eng Co Ltd

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Solar iBoost+ Specifications



So

Solar iBoost+ Controller

Operating Voltage	220-240Vac
Frequency	50Hz
Control Type	1B. Pulse width modulation
Maximum Permissible Loads	13A Resistive (max 3kW immersion) *
Number of Load Connections	2 (cascading)
Cut in threshold	100W of export is maintained
Rated Impulse Voltage Withstand	4kV
Insulation Properties	Pollution Degree2 in accordance with IEC 664
Operating Ambient Temperature Range	0-40° C
Operating Radio Frequency	868.3MHz or 915Mhz
Electrical and Safety	EN60730-2-7,EN301 489-3, EN300 220, EN60335-1 EN55014-1, EN55022 (Tested independently)
 Immersion	1-3W

Interface & User Controls	Backlit 32 Character LCD.
	Push buttons to cycle display and for programming.
	Wirelessly connects to optional iBoost Buddy
	Red LED Warning Triangle
	Blue LED Operating Indicator
Boost Function	Push Button, 15 minute increments up to 2 hours
Programmable Timer	2 x switches per day with separate programmes for weekday/ weekends. Save summer / winter settings.
Programmable Languages	English, French, Italian, Spanish, Portuguese, German.
Sender Battery Low Warning	LED and on screen
Dimensions	225 x 158 x 92mm
Weight	1.37kg
Package Dimensions & Weight	288 x 255 x 100mm 1.95kg
* Australia and New Zealand version only	3.6 kW

Solar iBoost+ Sender and Clamp

Operating Radio Frequency	868.3MHz or 915Mhz
Radio Range	1-30m indoors (dependent on construction and local conditions)
Operating Ambient Temperature Range	- 5 to 40° C
Electrical and Safety Compliance	EN 60950, EN 301 489-3, EN 300 220
Clamp Cable Size	25mm ²

Optional Mains Power supply	Available from your supplier
Battery Low Warning	LED and on screen message on Controller
LED Indicator	Green flashing LED on transmission
Mounting	Centre hook
Dimensions	95x75x35mm (excluding clamp)
Weight	61gm

iBoost+ Buddy

Power Connection	USB-C (cable included)
Frequency	50Hz
DC Input Voltage	5Vdc 0.5A
Operating Ambient Temperature Range	0-40° C
Power consumption	1W
Operating Radio Frequency	868.3MHz or 915Mhz
Radio Range	1-30m indoors (dependent on construction and local conditions)
Electrical and Safety Compliance	EN60730-2-7,EN301 489-3, EN300 220
IP Rating	IP40
Interface & User Controls	Backlit graphical display of home energy.
	Duplicate of Solar iBoost+ display.
	LED indicator
	Push buttons to cycle display and for programming.
Dimensions	110H x65Wx25Dmm



Contact Us

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