



Description

Timeguard's BOOSTMASTER PV Boost is an advanced energy management device designed to enhance the efficiency of solar PV systems.

Automatically redirects surplus electricity, typically to an immersion heater, maximising the use of self-generated energy and reducing household energy costs.

Features

- All-in-one solution with main unit, display unit, and sender
- Utilise solar power to heat water
- Reduce energy costs
- Compatible with existing immersion heaters
- Easy-to-install wireless energy sensor
- Fully automated functionality
- Optimised consumption of PV energy
- Built-in weather station

Dimensions

	Height (mm)	Width (mm)	Depth (mm)	Weight (kg)
PV1000	432	214	88	1.99

Technical Specification

PV1000	PV Boost Master (Controller)	PV Buddy	Sender
Operating Voltage/ Power Connection	220-240Vac		
Radio Range	1-30m	1-30m	1-30m indoors
Frequency	50Hz	50Hz	50Hz
DC Input Voltage		USB-C	4.5VDC
Control Type	1B. Pulse width		
Maximum Permissible Loads	13A Resistive		
Number of Load Connections	2 (cascading)		
Cut in threshold	Default 100W to export (Max 500W)		
Rated Impulse Voltage Withstand	4kV		
Insulation Properties	Class 2		
Operating Ambient Temperature Range	-10-40 °C	-10-40 °C	-10-40 °C
Operating Radio Frequency	868.3MHz	868.3MHz	868.3MHz
Electrical and Safety Compliance	EN60730-2-7, EN301 489-3, EN300 220	EN 60950, EN 301 489-3	EN60730-2-7
Clamp Cable Size			25mm ²
Power consumption	1-3W		
IP Rating	IP20	IP20	IP20
Battery Type/ Life Cycle			3 AA LR6 1.5V/max 1years
Cooling Fan	Thermostatically controlled		
Mounting	Centre with 4 x screws	Centre hook	
Interface & User Controls	Backlit 32 Character LCD Push buttons to control		Backlit graphical Push buttons to control
Boost Function	Boost Button, 15 minute-2Hrs	Boost Button, 15 minute-2Hrs	
Programmable Timer	3 Periods		
Battery Low Warning	Red Warning LED	Icon will Show Low Battery	
Sender Battery Low Warning	LED and on screen		
Dimensions	230 x 180 x 80mm	120x104x33mm	103x70x33mm
Weight	1.22kg	0.18kg	0.17kg
Package Dimensions & Weight	432 x 214 x 88mm 1.99kg		