



eddi

Eco-Smart Energy Diverter

eddi is an eco smart energy management system, it diverts surplus power from solar PV or wind generation to a designated heating appliance (or two sequentially). This excess energy will go directly to a designated appliance such as an immersion heater. eddi allows you to stop exporting energy back to the grid & saves you money on your energy bill.



eddi utilises myenergi's proprietary VariSine™ technology to ensure compliance with worldwide power grid standards.

Internet connected & remote controllable
Optional add on with the myenergi hub

Works with heat-pumps
when used with optional Relay & Sensor Board

3-Year
Warranty

eddi Features

- ⊗ 3.68KW / 16A max heater load
- ⊗ Supports two heaters (sequentially)
- ⊗ Integral bypass switch
- ⊗ VariSine™ PWM technology
- ⊗ Fan-less cooling
- ⊗ Built-in programmable boost timers
- ⊗ Energy savings data logging
- ⊗ Graphical back-lit LCD screen for ease of use
- ⊗ Overload and short-circuit protection
- ⊗ Expansion module option - 2 extra outputs with temperature control
- ⊗ Wall mounting bracket for ease of installation
- ⊗ Fully EMC and safety compliant (CE)
- ⊗ Works alongside battery storage systems



Free Water & Space Heating Using Excess Energy From Your Solar PV Or Wind Turbine

Performance

Power Control Technology	VariSine™ pure sine wave PWM (Pulse Width Modulation)
Outputs	2 (sequential operation with selectable priority)
Bypass Switch	Integral On/Off/Bypass switch
Cooling	Rear mounted passive cooled heatsink
Indicators	LED indication: Supply On, Heater 1 and Heater 2 active
Display	Graphical LCD with LED backlight (shows heating status and savings data)
PWM Resolution	0.1%
Measurement Accuracy	+/- 1%
Power Conversion Efficiency	97.5% typ.
Compliance	LVD 2014/35/EU, EMC 2014/30/EU, EN 60335-1:2012, EN 55014-1:2006, EN 55014-2:1997 +A1:2001+A2:2008, EN 61000-3-2:2006 +A1:2009+A2:2009, EN 61000-3-3:2008

Electrical Specs

Rated Input Power	3.68kW
Rated Supply Voltage	230V AC Single Phase (+/- 10%)
Supply Frequency	50Hz / 60Hz
Rated Current	16A
Standby Power Consumption	3W
Generator Size Supported	No limit (subject to 100A per-phase grid supply)
Heater Load Size	100W min. 3.68kW max.
Economy Tariff Sense Input	230V AC sensing (2.5kV isolated)
Wireless Interface	868/915 MHz (proprietary protocol) for wireless sensor and remote monitoring options
Grid Current Sensor	100A max. primary current, 16mm max. cable diameter
Supply Cable Entry	Rear, bottom, or side option

Mechanical Specs

Dimensions	220 x 205 x 87mm (excluding wall bracket)
Weight	4.3kg (excluding wall bracket)
Protection Degree	IP20
Enclosure Material	Painted Zintec Steel
Operating Temperature	-20°C to +40°C
Mounting Method	Wall Mounting Bracket



Designed to permit installations compliant with IET Wiring Regulations BS7671:2018- and 1:2020 and the Electricity Safety, Quality and Continuity Regulations 2002 and BS 8300:2009+A1:2010