

# eddi

## ➤ Eco-Smart Energy Diverter



eddi is an energy management system that diverts surplus power from PV or wind to a designated heating appliance (or two sequentially) in most cases an immersion heater. Stop exporting energy back to the grid, install eddi & start making savings off your heating 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

### 3-Year Warranty

- ⊗ 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
- ⊗ Automatic Daylight Saving Time adjustment
- ⊗ Expansion module option
- ⊗ 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 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 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 BS7671:2008+A3 2015 and the Electricity Safety, Quality and Continuity Regulations 2002 and BS 8300:2009+A1:2010.

