myenergi

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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 such as an immersion heater. This excess energy will go directly to the appliance (or two sequentially). eddi allows you to stop exporting surplus energy back to the grid and saves you money on your energy bill.

varisine technology

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

- Internet connected & remote controllable
- Works with heat pumps
  When used with optional Relay & Sensor Board
- 3-Year Warranty

eddi Features

- 3.68kW / 16A max heater load
- Expansion module option – 2 extra outputs with temperature control
- Integral bypass switch
- Graphical back-lit LCD screen for ease of use
- Fan-less cooling
- Built-in programmable boost timers
- VariSine™ PWM technology
- Supports two heaters (sequentially)
- Wall mounting bracket for ease of installation
- Overload and short-circuit protection
- Ethernet port and built-in WiFi for connecting to the internet
- Complies with CE and UKCA Requirements
- Works alongside battery storage systems
- Energy monitoring on the go via the myenergi app

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Free Water & Space Heating using Excess Energy from your Solar PV or Wind Turbine

Performance

Power Control Technology:	VariSine™ pure sine wave (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, EN61000-3-3 :2008

Electrical Specs

Rated Input Power:	3.68kW
Rated Supply Voltage:	230V AC Single Phase (+/- 10%)
Supply Frequency:	50Hz
Rated Current:	16A
Standby Power Consumption:	3W Typical
Generator Size Supported:	No limit (Subject to 100A per phase grid supply[1])
Heater Load Size:	100W min. 3.68kW max.
Wireless Interface:	868 / 915MHz (proprietary protocol) for wireless sensor and remote monitoring options
Grid Current Sensor:	100A max. primary current[1], 16mm max. cable diameter
Supply Cable Entry:	Bottom Entry

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

Relay & Sensor Board (Optional)

Economy Tariff Sense Input (eSense):	230V AC sensing (2.5kV isolated)
Multifunction Relay:	2x 16 Amp
Temperature Sensor Inputs:	2x PT1000

Model number

EDDI-16A1P02H

[1] 65A when current transformer is connected using a harvi wireless transmitter (optional)

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