

## Eco-Smart Energy Diverter

Use your power, your way. eddi+ is designed to maximise the consumption of your self-generated solar/wind power.

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. eddi+ allows you to stop exporting surplus energy back to the grid and saves you money on your energy bill. eddi+ can also work alongside heat pump or battery storage systems to maximise the savings and make the world a greener place!





# **Features**

### **Maximise Self-Consumption**

eddi+ ensures you use as much of your selfgenerated solar power as possible by diverting surplus energy to heat your water, or power other resistive heating loads up to 9kW, reducing reliance on the grid.

#### Future-Proof Technology

eddi+ is designed to work with future upgrades, such as additional solar panels, heat pumps, battery storage, or electric vehicle chargers.

#### **Silent Operation**

eddi+ operates silently by utilising passive cooling, ensuring that your home's peace and quiet are maintained while it works efficiently in the background.

#### Simple Installation

Quick and easy setup. eddi+ can be installed with minimal wiring, and utilises our new installation assistant for commissioning, making it a hassle-free addition to your solar panel system.

#### **Eco-Friendly Living**

By optimising the use of your solar energy and smart tariffs, you contribute to a greener planet and reduce your home's carbon emissions.

#### **Control from Anywhere**

The myenergi app allows you to monitor and control your eddi+ from anywhere in the world, with live updates on your energy usage.

#### **Energy Monitoring**

The myenergi app provides real-time data on energy diverted, savings, and overall system performance, helping you make informed decisions about your energy use.

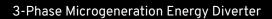
#### **Cost Savings**

Lower energy bills by using eddi+ to utilise more of your own solar energy or a smart tariff.

#### **Built-in Connectivity**

Ethernet and WiFi interfaces are built-in for easy and reliable internet connectivity without needing additional accessories.









# eddi+ **Specification**

#### **Electrical**

Rated Supply Voltage (+/- 10%)	3x 230/400V (3-Ph)
Supply Frequency	50Hz
Rated Current	16A
Standby Power Consumption	4W
Generator Size Supported <sup>1</sup>	No limit
Resistive Load Size	150W min./9kW max.
Wireless Interface <sup>3</sup>	868 / 915MHz (proprietary protocol) for wireless sensor and remote monitoring options
Grid Current Sensor <sup>2</sup>	100A max. primary current 16mm max. cable diameter
Supply Cable Entry	Bottom Entry
Temperature Sensor Inputs	2x PT1000
eSense Input	230V AC Sensing (2.5kV Isolated)
Multifunction Relays	2x 16A / 250V AC rated

#### **Performance**

Power Control Technology	VariSine™ pure sine wave (Pulse Width Modulation)
Outputs	1x 9kW
Cooling	Rear mounted passive cooled heatsink
Indicators	RGB - refer to operation manual for details
Display	Graphical LCD with LED backlight (Shows heating status and savings data)
PWM Resolution	0.1%
Measurement Accuracy	+/- 1.5% typical
Power Conversion Efficiency	97.5% typical

#### Mechanical

Dimensions (H x W x D)	330 x 271 x 64mm
Net Weight	10.35Kg
Protection Degree	IP20
Enclosure Material	Powder Coated Zintec Steel
Operating Temperature	-20°C to +40°C
Mounting Method	Wall Mounting Bracket
Storage Temperature	-40 to 70 °C
EMC device class	Class B
Overvoltage category	3

### Compliance

RED 2014/53/EU, EMC 2014/30/EU, LVD 2014/35/EU. EN 60730-1, EN 61000-6-1, EN 61000-6-3, EN301 489-1, EN301 489-3, EN300 220-2. EN 300 228, EN 62311

#### **Model Code**

EDDI-16A3P02H

<sup>&</sup>lt;sup>1</sup> Subject to 100A per phase grid supply <sup>2</sup>65A when current transformer is connected using a harvi wireless transmitter (optional) <sup>3</sup> 915MHz frequency for Australian installs.