



3-Phase
Microgeneration
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 self-generated 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 ¹	No limit
Resistive Load Size	150W min./9kW max.
Wireless Interface ³	868 / 915MHz (proprietary protocol) for wireless sensor and remote monitoring options
Grid Current Sensor ²	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

¹ Subject to 100A per phase grid supply

² 65A when current transformer is connected using a harvi wireless transmitter (optional)

³ 915MHz frequency for Australian installs.