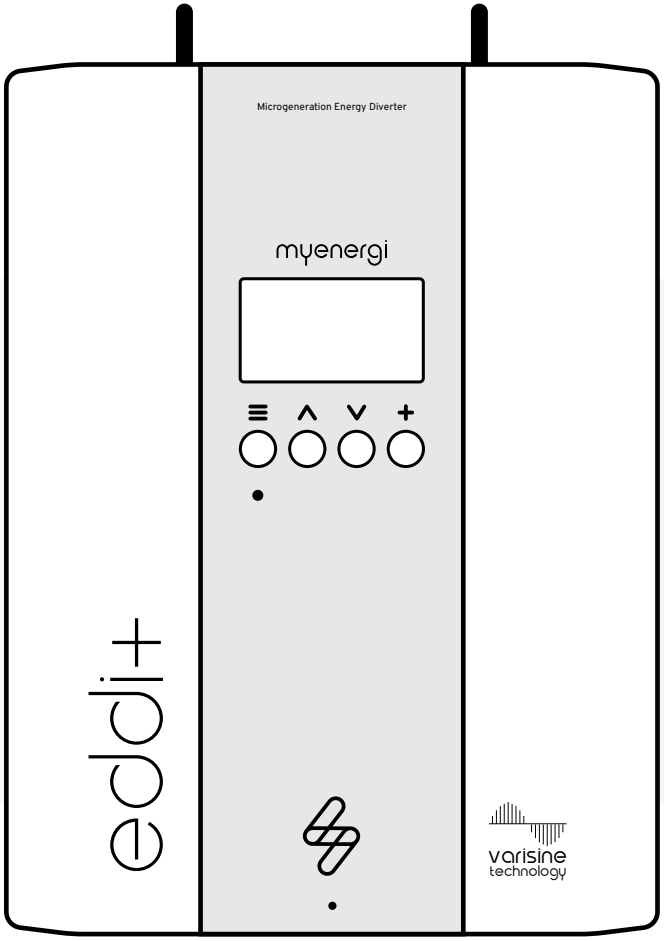
myenergi

eddi+



User Operating Instructions

myenergi.com

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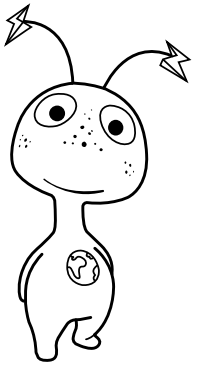
eddi+

Content



Find the latest information available on the myenergi support site by scanning the QR code

Legal Notices

Intellectual Property

Legal Notice

Text and images correspond to the technical level at the time of going to press. We reserve the right to make changes. The content of the operating instructions shall not give rise to any claims on the part of the purchaser. We are grateful for any suggestions for improvement and notices of errors in the operating instructions.

myenergi, myenergi libbi, myenergi zappi, myenergi eddi, myenergi eddi+, myenergi harvi, myenergi hub and the bolt logo are trade marks of myenergi ltd.

Liability Limitation and Warranty

myenergi do not accept any direct or indirect liability for product or property loss caused by the following conditions:

- Product modified, design changed or parts replaced without authorisation.
- Changes, repair attempts and erasing of serial numbers or seals by unauthorised person.
- System design and installation where not in compliance with standards and regulations; failure to comply with local safety regulations.
- Damage caused by any transportation of the products by the installer.
- Failure to follow any and/or all user manuals, installation guides and maintenance regulations.
- Improper use or misuse of the device.
- Force majeure (stormy weather, lightning, overvoltage, fire etc.)
- Damage from external factors.

Safety

Read all the safety instructions. Failure to install and operate the eddi+ in accordance with these instructions may cause injury or death, damage to the unit or inefficient operation and invalidate the manufacturer's warranty.

Manual Keeping

This manual contains important information about operating the device. Before operating, please read it very carefully. The device should be operated in strict accordance with the instructions in this manual. This manual should be kept for future maintenance.

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.

Indicates a notice or tip to guide you.

CAUTION

- Only have the system installed and commissioned by qualified personnel with the appropriate skills.
- Do not install or operate the system in potentially explosive atmospheres or areas of high humidity.
- The unit must be installed indoors and should be mounted to a flat vertical surface or wall, in the vertical orientation only and using the dedicated mounting bracket which comes attached to the unit.
- Do not install the unit in any environment of temperature below -20°C or over 40°C.
- The supply cord to this control shall conform to the requirements of EN50525-2-11.
- The unit is not to be used by persons (including children) with reduced physical, sensory, or mental capabilities, or lack of experience and knowledge, unless they are supervised or have been given instruction concerning use of the device by a person responsible for their safety.
- The heat sink can exceed 70°C during normal operation, therefore do not touch.
- Do not put any heavy objects on top of the system.
- Do not damage the system with sharp objects.
- Only use replacement parts supplied or recommended by myenergi. Replacing of parts must be carried out by a suitably qualified installer.
- Under short-circuit conditions, the relays for heaters/outputs 2 and 3 may weld. If power to the device can not be reinstated at the upstream MCB, please consult your installer for repair or replacement options.

WARNING, DANGER

- Ensure the device always has adequate ventilation; do not block the vents or obstruct airflow at the back or sides of the unit.
- The earth conductor must be correctly installed and reliably connected.
- Do not touch the system with wet hands.
- Do not wipe the system with a damp cloth.

Disposal

In accordance with European Directive 2012/19/EU on waste electrical and electronic equipment and its implementation in national law, used electrical devices must be collected separately and recycled in an environmentally responsible manner. Ensure that you return your used device to myenergi or obtain information regarding a local, authorised collection and disposal system. Failure to comply with this EU Directive may result in a negative impact on the environment.

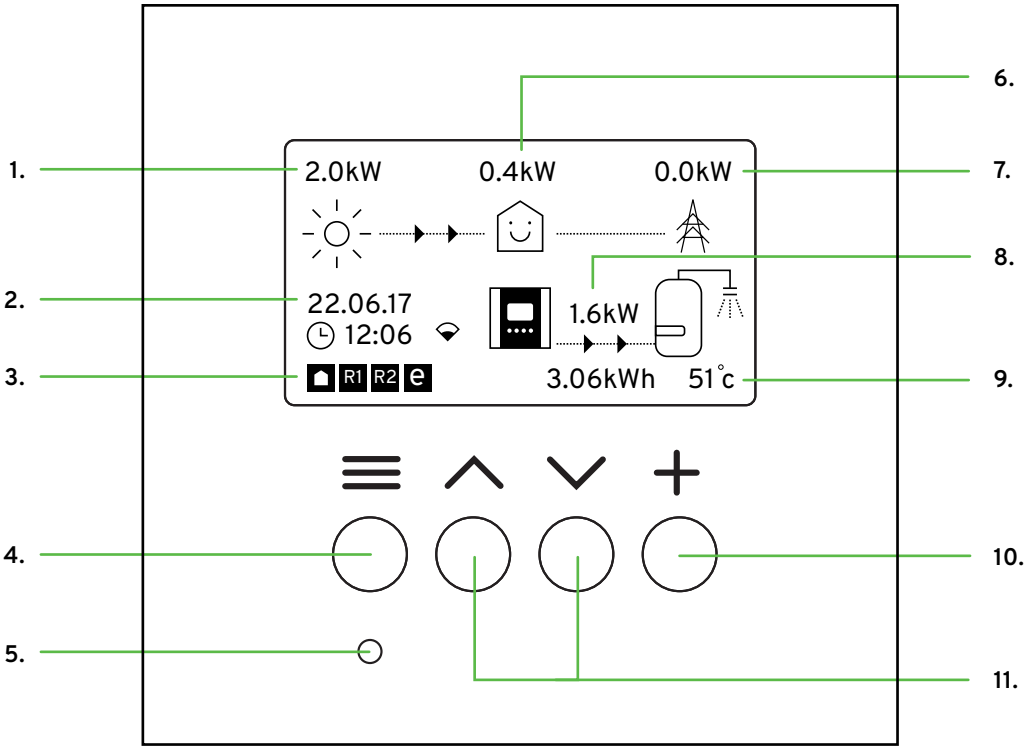
WELCOME TO myenergi

Congratulations on your eddi+ purchase.

Use your power, your way. eddi+ helps you save money and use your renewable energy more efficiently.

This guide will help you get started quickly and easily. Let's dive in.

Display Overview



1. Solar Generated Power
2. Time/Date & WiFi/Ethernet indicator
3. Relay/eSense Status Icons
4. Menu/Back Button
5. LED/Status
6. Home Power Consumption
7. Grid Import/Export
8. Power Being Diverted
9. Tank Temp & Energy Diverted Today
10. Accept/Boost Button
11. Menu Up/Down Navigation Buttons

LED Status

- Waiting for Surplus
- Diverting Microgeneration Energy (Pulsing)
- Boosting (Pulsing)
- Stop/Stopped
- Max Temp Reached (Solid)
- Fault

Display Icons


House Consumption - Not Importing


House Consumption - Importing


Wind Generation Power


Solar Generation Power


Grid Power


Power Flow Direction - Large Amount


Power Flow Direction - Medium Amount


Power Flow Direction - Small Amount


Waiting for Surplus Power


Max Temperature Reached


eddi+ Device - Normal


eddi+ Device - Too Warm (output limited)

kW Instantaneous Power

kWh Accumulated Energy Today


Heater – Top Immersion


Heater - Bottom Immersion


Heater - Radiator


Heater - Underfloor


Heater - Swimming Pool


Relay - Relay 1


Boiler


Heat Pump


Message Available


Limiting Active

R1 R2 Relay 1 or 2 – On


Economy Tariff Electricity Available


DSR Mode Active


WiFi Strength

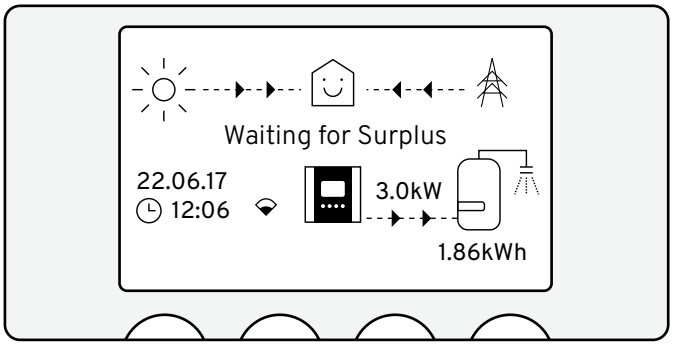

Heater - Heat Battery

How to Manual Boost

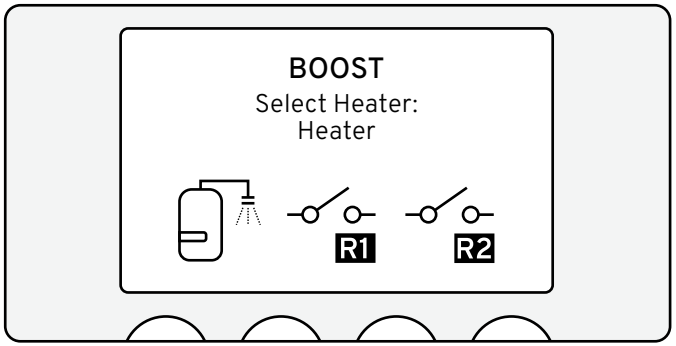
Using Manual Boosts

Need hot water or heating quickly? The "Manual Boost" feature lets you temporarily power up your heating system, even if there's not enough surplus energy.

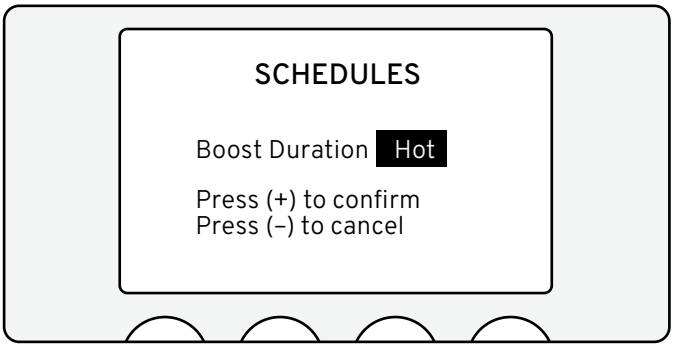
Here's how to use Manual Boost:



1. **Press the (+) button** from the main screen to access the Boost Menu.

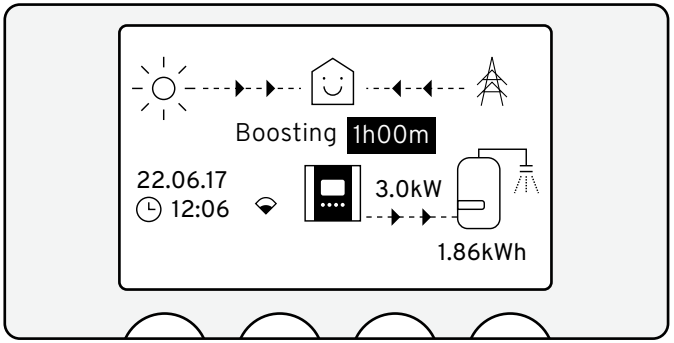


2. **Select the Heater:** Use the up (↑) and down (↓) arrows to pick the heater you want to boost.



3. **Activate Boost:** Press (+) again to start. The screen will display the remaining boost time.

"Hot" will activate the heater until max temperature is reached.



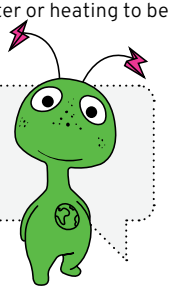
4. **Adjust the Duration:** Use the arrows to increase or decrease the boost duration in 15-minute intervals.

5. **Cancel Anytime:** Press (+) again and select the heater you wish to cancel the boost on.

How to Set Schedules

Setting Schedules

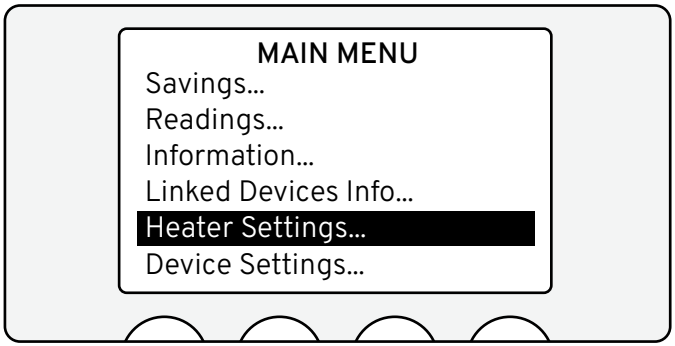
Save time and energy by setting up schedules for your heaters. Perfect for busy days when you need hot water or heating to be ready when you are.



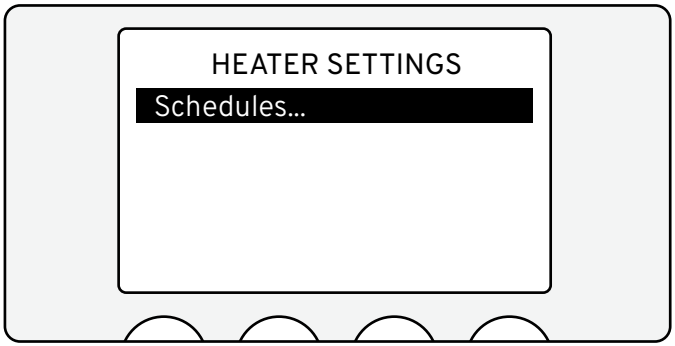
Sparki's Tip: *"Set schedules to match your routine. For example, boost water heating before your morning shower!"*

Steps to Set a Schedule:

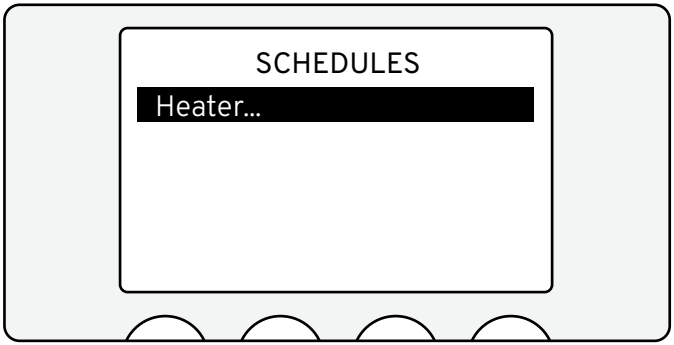
1. **Press the Menu button** ☰ from the **main screen.**
   - Use the arrows to scroll down, then press (+) to select **"Heater Settings".**



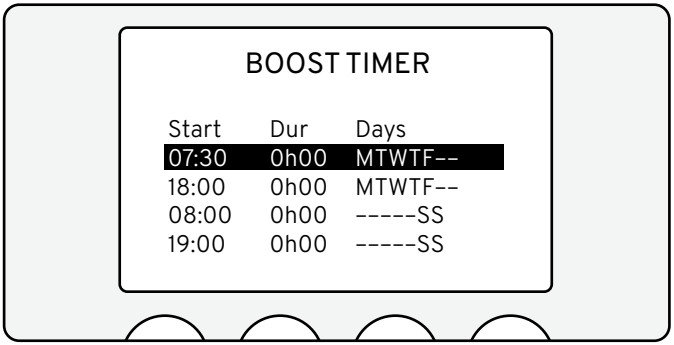
2. **Press the (+) Button** to select **"Schedules"**.



3. **Pick the heater** you'd like to schedule and press the (+) to select.



4. **Use the arrows** and press the (+) button to select the one of the 4 available time slots.
   - Use the arrows to adjust the start time, duration, and days of the week.
   - Press (+) to save each time slot.
   - Double-check your settings. eddi+ will now boost your heater automatically at the times you've chosen.



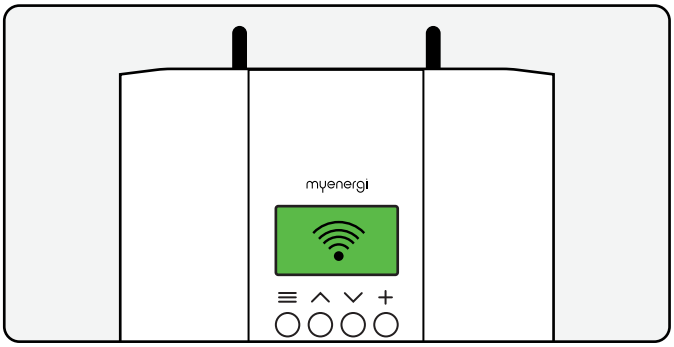
Example Schedule Setup:

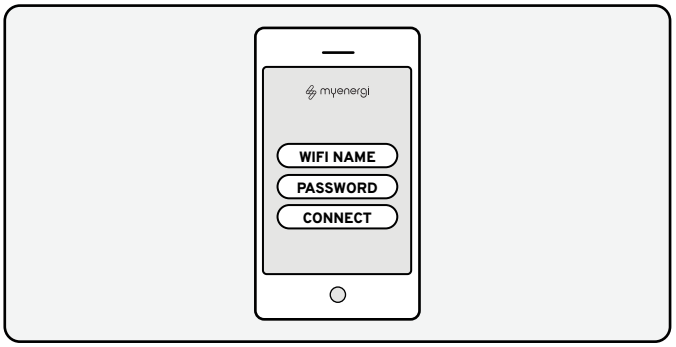
- ***Slot 1:*** *06:00 - 08:30 (Morning Hot Water)*
- ***Slot 2:*** *18:00 - 19:30 (Evening Hot Water Top Up)*

Connecting eddi+ to the Internet

Connecting with WiFi

Follow these steps to connect via WiFi:





1. On your eddi+, go to **Other Settings > Internet > WiFi > WiFi Config.**
2. Ensure **WiFi** and **Access Point** are both set to **ON**.
3. On your smartphone or computer, go to WiFi settings and connect to the network named after your device (e.g., “myenergi12312341”).
4. Enter the password displayed on the eddi+ screen.
5. Once connected, a popup will appear and you’ll be asked to create a new password. This is for protecting your device settings. **Make sure to note it down.**
6. After the page reloads, follow the on screen instructions to connect to the home WiFi network.
7. Confirmation that the device is connected will be displayed on the eddi+ screen.

If the connection fails, make sure your phone or computer is still connected to the eddi+ network and try again.

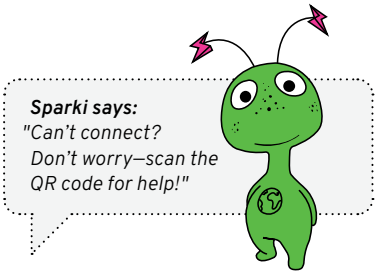
If the automatic popup doesn’t appear, manually open your browser and go to “192.168.4.1“.

Connecting to myenergi App:

1. To fully unlock the features of your eddi+, download the myenergi app from the appropriate app store and register your device. *www.myenergi.com/getting-started*
2. Once registered, the app will guide you through linking your eddi+ to your account. This will allow you to monitor and control your energy usage remotely.

Download on the App Store

GET IT ON Google Play

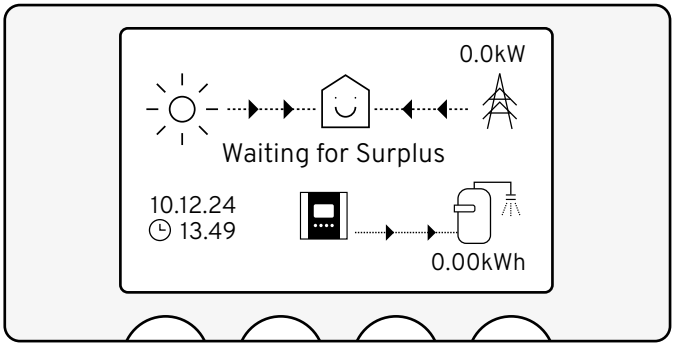


Setting the Time and Date

The date and time on your eddi+ are important for schedules, syncing data and savings calculations. Follow these simple steps to ensure everything is set correctly:

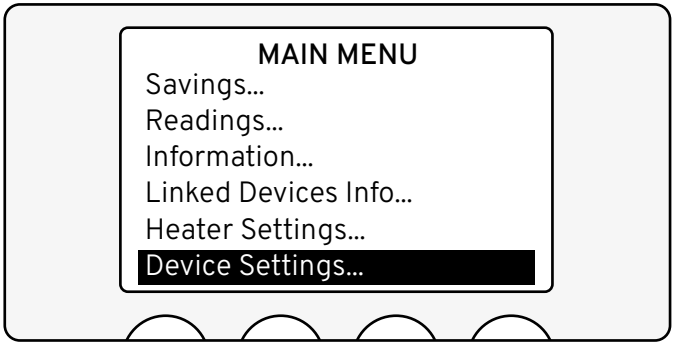
1. Open the Main Menu:

- From the main screen, press the **Menu button** ☰.



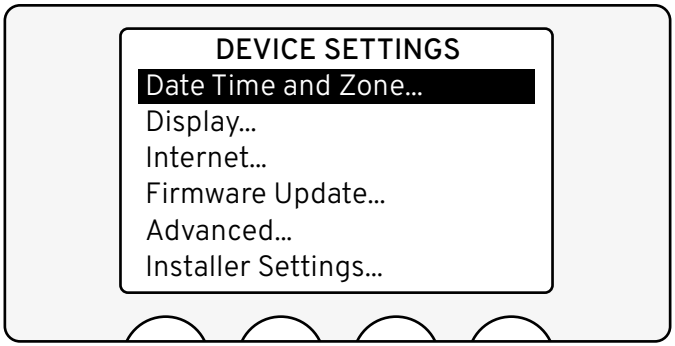
2. Navigate to Device Settings:

- **Use the Down (↓)** button to highlight **Device Settings** and press (+) to select it.



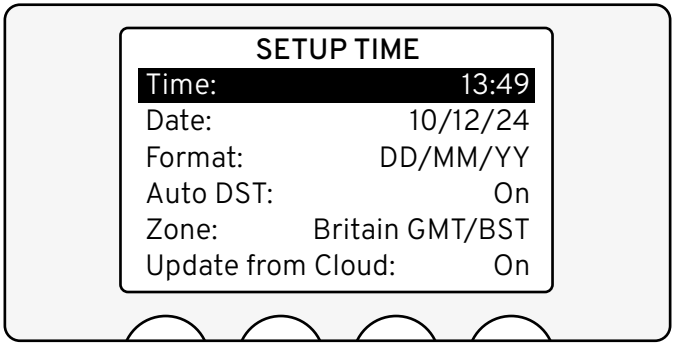
3. Choose Date, Time and Zone:

- **Scroll to Date, Time and Zone...** and press **(+)** to enter.



4. Set Time and Date:

- **Use the Up** (↑) **and Down** (↓) buttons to adjust the following:
- **Time:** Set the current time (24-hour format).
- **Date:** Select the correct day, month, and year.
- **Format:** Choose between DD/MM/YY or MM/DD/YY.



5. Enable Auto DST (Daylight Savings Time):

- Ensure Auto DST is set to On to adjust for daylight savings automatically.
- Select Time Zone:
- Highlight Zone and select your location (e.g., Britain GMT/BST).
- Use Update from Cloud (Optional): If your eddi+ is connected to the internet, enable Update from Cloud for automatic updates.
- Save and Exit: Press (+) to confirm your settings.

Sparki says: *"Your eddi+ is now up-to-date! If you have a power cut, don't worry—eddi+ will remember the time and date for a few days."*

Troubleshooting

Fault Codes

	Message	Description	Solution
1	**Output Overload**	Load is drawing too much current	Check power rating of connected heater
2	**Overheat**	Device is too hot	Check ventilation slots are not blocked and has sufficent space around it
3	**No Signal**	Signal lost from harvi device	Contact Installer
4	**Grid Sensor Error**	Grid sensor incorrectly installed	Contact installer
5	**Back Feed Voltage**	Unexpected voltage at heater output	Contact installer
6	**Over Voltage**	Supply voltage too high	Contact installer
7	**Under Voltage**	Supply voltage too low	Contact installer
8	**Load is faulty**	Load is faulty	Contact installer
9	**Unbalanced Heaters**	Heater output is out of balance	Contact Installer

If issues persist contact your installer in the first instance, then visit the myenergi Help Centre if further assistance is required.

Help Centre

Scan the QR code or visit *support.myenergi.com* for further assistance

Product Warranty

For product warranty, scan QR code or visit *www.myenergi.com/terms-and-conditions/myenergi-product-warranty/*

Routine Maintenance & Cleaning

We recommend a routine observation of the eddi+.

This should be carried out by a competent person and its main aim is to look for any signs of damage and abnormalities.

This is a visual inspection only and should not entail removing cover or dismantling the eddi+ in any way.

Observational Inspection

Cable, Terminal and Equipment Inspection

By sight only, carefully observe whether there are any signs of damage to the eddi+.

Full Maintenance Inspection

Cable, Terminal and Equipment Inspection

- Check for loose cable connections.
- Check for aging and/or damaged cables.
- Check for loosening of the cable terminal screws.
- Check for any signs of overheating.
- Ensure the device has adequate ventilation and air vents are free of obstruction.

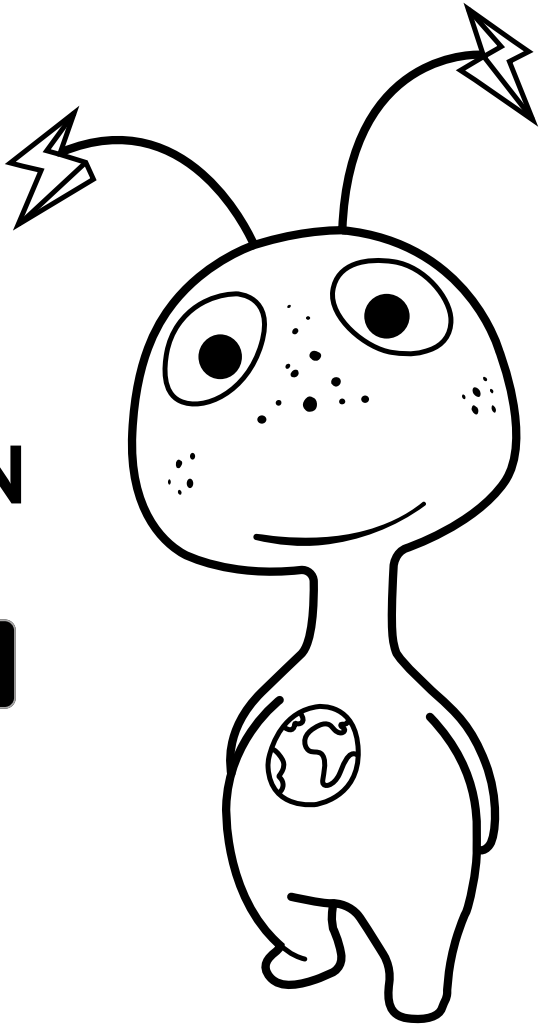
app INSTALLATION

VISIT APP STORE

Download on the App Store

VISIT GOOGLE PLAY

GET IT ON Google Play



Technical Specification

Electrical

Rated Supply Voltage (+/- 10%)	3x 230/400V (3-Ph)
Supply Frequency	50Hz
Rated Current	13A
Standby Power Consumption	4W
Resistive Load Size	150W min./9kW max
Generator Size Supported[1]	No limit
Grid Current Sensor[2]	100A max. primary current 16mm max. cable diameter
Wireless Interface[3]	868/915MHz (proprietary protocol) for wireless sensor and remote monitoring options
WiFi Connectivity	2.4GHz 802.11BGN Connection up to 150 Mbps
Supply Cable Entry	Bottom Entry
Temperature Sensor Inputs	2x PT1000
eSense Input	230V AC Sensing (4kV Isolated) Range 3.3-230Vrms Volt Free Contact (24Vdc Supplied from the eddi)
Multifunction Relays	2x 16A / 250V AC rated

Mechanical

Dimensions (H x W x D)	330 x 271 x 64mm
Net Weight	5.14Kg
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
Pollution Degree	2

Performance

Power Control Technology	VariSine™ pure sine wave (Pulse Width Modulation)
Outputs	1x 9kW
Cooling	Rear mounted passive cooled heatsink
Indicators	RGB - This is indicated in the table "LED Status" in the "display overview" section
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
Mode of Operation	Type 1.B

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

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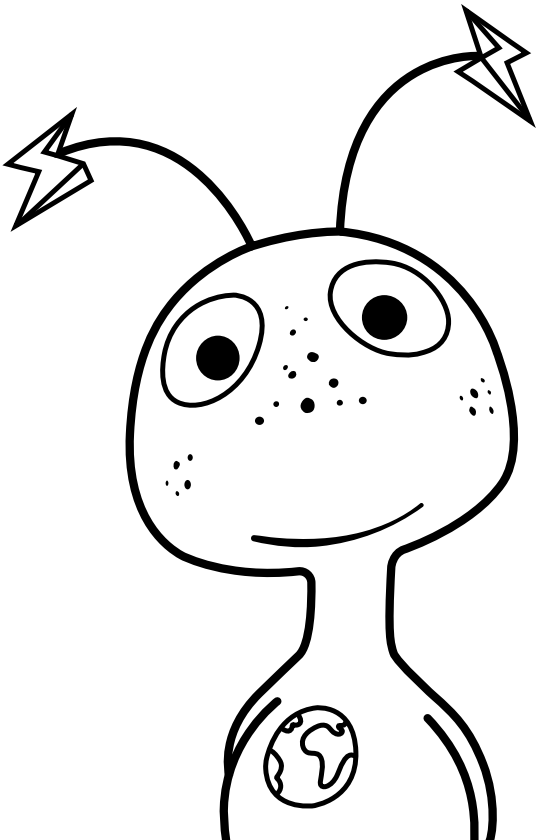
[1] Subject to 100A per phase grid supply
[2] 65A when current transformer is connected using a harvi wireless transmitter (optional)
[3] 915MHz frequency for Australian installs.



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