

zappi

Charge your EV with your PV

zappi has 3 charging modes which makes it great for all homeowners. Those with grid-tied microgeneration systems like wind or solar can use the eco setting to save on their energy bills. The charging current is automatically and continually adjusted in response to on-site generation and household power consumption. In FAST charge mode, zappi operates like an ordinary EV charging station.

 7kW Single Phase  22kW 3-Phase

EV charging from surplus solar or wind generation

Dynamic load balancing for maximum installation flexibility

Advanced integral safety features



Zappi Features

-  3 Charging Modes: ECO, ECO+ and FAST
-  Optimises Microgeneration Self-consumption
-  Works with Solar PV or Wind Turbine Systems
-  Economy Tariff Sense Input
-  Programmable Timer Function
-  Charge & Event Logging
-  Pin-code Lock Function
-  OZEV (Home/Work Scheme) Approved
-  Ethernet Port and built-in WiFi for Connecting to the Internet
-  Tap Operated Display Backlight
-  Integral Cable Holster (Tethered Version)
-  Remote Control & Monitoring
-  Supplied with Clip-on Grid Sensor(s)
-  Works Alongside Battery Storage System
-  Future Proof Installation
-  3 Year Warranty
-  Complies with CE and UKCA Requirements

Charging Modes

ECO	ECO+	FAST
Charge power is continuously adjusted in response to changes in generation or power consumption elsewhere in the home. Charging will continue until the vehicle is fully charged, even if power is drawn from the grid.	Charge power is continuously adjusted in response to changes in generation or power consumption elsewhere in the home. Charging will pause if there is too much imported power, continuing only when there is surplus free power available.	In this mode, the vehicle will be charged at maximum power. This is just like an ordinary Mode 3 charging point.

Model Variations

Model No.	Rating	Connector	Colour
ZAPPI-2H07UW	7kW	Untethered	White
ZAPPI-2H07TW	7kW	Tethered	White
ZAPPI-2H07UB	7kW	Untethered	Black
ZAPPI-2H07TB	7kW	Tethered	Black
ZAPPI-2H22UW	22kW	Untethered	White
ZAPPI-2H22TW	22kW	Tethered	White
ZAPPI-2H22UB	22kW	Untethered	Black
ZAPPI-2H22TB	22kW	Tethered	Black

Performance

Mounting Location	Indoor or Outdoor (Permanent Mounting)
Charging	Mode 3 (IEC 61851-1 Compliant Communication Protocol)
Display	Graphical Backlit LCD
Front	LED Multicolour, According to Charge Status and Current
Charging Current	6A to 32A (Variable)
Dynamic Load Balancing	Optional Setting to Limit Current Drawn from the Unit Supply or the Grid
Connector Type	Type 2 Tethered Cable (6.5m) or Type 2 Socket with Locking System
Charging Profile	3 Charging Modes: ECO, ECO + and FAST
Metering Accuracy	Load and External CTs Designed to Meet Class B (1%) of EN 50470 • Load: 0.25A-5(32)A • External CTs: 0.25A-5(100)A
eSense	In addition to the wide range of voltages below the eSense input can also work with a volt free contact. • Range 3.3-230Vrms • Volt Free Contact (24Vdc Supplied from the zappi)
Compliance	LVD2014/35/EU, EMC 2014/30/EU, EN 61851-1:2019*, EN 62196-2:2017, ROHS 2011/65/EU, CE Certified 2014/53/EU (RED), 2011/65/EU (RoHS), 2014/30/EU (EMC), 2014/35/EU (LVD).

*Complies fully with the requirements of EN61851-1:2019 with the exception of Clause 8.4 in order to meet the requirements of BS7671:2018 Amendment 1:2020. BS7671:2018 requires the protective earth conductor be switched in order to provide protection against a damaged PEN conductor in a TN-C-S earthed system.

Electrical Specification

Rated Power	7kW (Single Phase) or 22kW (3-Phase)
Rated Supply Voltage	230V AC Single Phase or 400V AC 3-Phase (+/- 10%)
Supply Frequency	50Hz
Rated Current	32A max.
Standby Power Consumption	3W
Integral Protection	6mA DC residual current protection (RDC-DD in accordance with EN 62955)
Economy Tariff Sense	Input 3.3 – 230Vrms AC Sensing (4.0kV Isolated) Volt Free Contact (24Vdc Supplied from the zappi)
Wireless Interface	868/915 MHz (Proprietary Protocol) for Wireless Sensor and Remote Monitoring Options
WiFi Connectivity	2.4GHz 802.11BGN Connection up to 150 Mbps
Grid Current Sensor	100A max. Primary Current, 16mm max, Cable Diameter
Cable Entry	Rear, Bottom or Side

Mechanical Specification

Enclosure Dimensions	439 x 282 x 122mm
Protection Degree	IP65 (Weatherproof)
Enclosure Material	PC/ASA (Batch dependant)
Operating Temperature	-25 °C to +40 °C
Impact Resistant	IK10

Installation Requirements

Circuit Breaker	32A Curve B
Earthing Arrangement	TN: Can be Connected to the PME Supply. Complies with BS7671:2018-amd1:2020 722.411.4.1 (v) TT: Earth Resistance < 200 Ω according to BS 7671:2018 or <100 Ω for some vehicles. An additional upstream Type A RCD or RCBO is required

zappi GLO

A simple way to charge smart.

Introducing the GLO series, the newest and trendiest members of the myenergi product family.

GLO features a sleek, compact, and playful design, ideal for users who appreciate modern aesthetics. zappi GLO offers a screenless interface, fully embracing a digital approach with all settings managed via the myenergi app. It also offers easy step-by-step commissioning in minutes using the new Installer Assistant app for initial setup.

*7kW Single Phase
ZAPPI-3AS07T-G*



Features

Rapid Installation & Commissioning

Based on an average UK new build home, our charger can be installed quickly and effortlessly, just like fitting a standard plug socket. Simply connect the power cable and grid CT, follow the steps in our new Installer Assistant app, and then secure the cover to complete the installation.

Dedicated Installer Support

We've shipped over 500,000 British-made home technology products worldwide, backed by an established and proven customer and technical support infrastructure that delivers exceptional service swiftly and efficiently. We stand by our commitment to provide hassle-free, no-quibble support, always.

Energy Tariff Integration

myenergi provides seamless energy tariff integrations compatible with all energy providers and is continually updated to embrace future innovations, suppliers, and evolving tariff models. This ensures that customers always benefit from the lowest and greenest rates, sometimes even charging for free!

Installer Assistant App

Quickly commission the zappi GLO using our step-by-step Installer Assistant App. This guide assists you through every detail during the onsite installation, ensuring all customer settings and grid parameters are perfectly configured. Once installed, confidently hand it over to the customer, assured that everything is set up correctly.

Solar & Battery Integration

Our products are meticulously crafted to integrate seamlessly with the entire home energy ecosystem. zappi communicates effortlessly with solar panels, battery storage, and smart heating systems, providing customers with complete control over their energy usage.

Tap-to-Charge Access Key (RFID)

The Tap-to-Charge Access Key features a built-in RFID card reader, enhancing both simplicity and security. This user-friendly access control allows RFID cards and fobs to replace traditional PINs, supporting up to 126 users.

Specification

Performance

Mounting Location:	Indoor or outdoor (Permanent mounting)
Charging Mode:	Mode 3 (IEC 61851-1 Compliant Communication Protocol)
Charging Current	6A to 32A (Variable)
Dynamic Load Balancing:	An optional feature that regulates the current drawn from the power supply or grid, helping to prevent overload.
Connector Type:	Type 2 (EN 62196-1, EN 62196-2) tethered cable (6.5m)
Metering Accuracy:	Load and external CTs designed in accordance with Class B (1%) of EN 50470 • Load: 0.25A-5(32)A • External CTs: 0.25A-5(100)A
LED Illumination:	Multicolour LED, changing according to charge status

Mechanical

Enclosure Dimensions (mm):	350 x 170 x 160mm
Weight	4.1KG
Protection Degree:	IP65
Enclosure Material:	Polycarbonate
Operating Temperature:	-25 °C to +40°C (Current derates at 50°C)
Impact Resistance:	IK10
Tamper Detection:	Microswitch

Electrical

Rated Power:	7kW
Rated Supply Voltage:	230V AC -16/+10%
Supply Frequency:	50Hz
Rated Current:	32A max.
Standby Power Consumption:	3W
Integral Protection:	6mA DC Residual current protection. RDC-DD tripping characteristics in accordance with EN 62955
Sound	Buzzer
Wireless Interface:	868MHz (Radio proprietary protocol)
WiFi Connectivity:	2.4GHz 802.11 b/g/n connection up to 150 Mbps
Bluetooth Connectivity:	Bluetooth Low Energy (BLE) v4.2
NFC/RFID:	Card reader: 13.56MHz ISO/IEC 14443 (Mifare Classic) RFID card supplied.
Grid Current Sensor:	100A max. primary current, 16mm max. cable diameter. Supports up to 2x external CTs.
Cable Entry:	Supports up to 2x 35mm dia. entries
Supply Cable Size:	Up to 6mm ² (flexible), Up to 10mm ² (solid)
Supply Termination Type:	Screw

Compliance

EN IEC 61851-1:2019, IEC 62196-2:2016, EN IEC 61851-21:2021, EN300 220-2 V3.2.1, EN 300 328 V2.2.2, EN 301 489-1 V2.2.3, EN 301 489-3 V2.1.1, EN 301 489-17 V3.2.4, BS EN 62311:2020, EN IEC 63000:2018

