

## EV CHARGER DATA SHEET

# myenergi zappi 2.1

Solar-aware EV charging with ECO, ECO+ and FAST operating modes.



## Product configuration

zappi 2.1, 7 kW single-phase and 22 kW three-phase variants; current multiphase availability must be confirmed.

### Perfect for:

Solar households, customers on off-peak tariffs and homes seeking adjustable load management.

- ✓ Designed to maximise self-consumption from solar PV or other microgeneration.
- ✓ Three charging profiles: ECO, ECO+ and FAST.
- ✓ Available as a tethered Type 2 charger or a Type 2 socket model.

**7 / 22 kW**

Single or three-phase

**6-32 A**

Variable charging current

**IP65 / IK10**

Weather and impact rating

**3 years**

Published product warranty

## Product configuration

| Component          | Selected model / description                                           |
|--------------------|------------------------------------------------------------------------|
| Charger            | 1 x myenergi zappi 2.1                                                 |
| Output options     | 7 kW single-phase or 22 kW three-phase                                 |
| Vehicle connection | Type 2 tethered cable (6.5 m) or Type 2 locking socket                 |
| Monitoring         | myenergi app through built-in Wi-Fi or Ethernet                        |
| Solar sensing      | Clip-on grid current sensor(s); system configuration is site dependent |
| Charging modes     | ECO, ECO+ and FAST                                                     |

### IMPORTANT DESIGN NOTE

Final CT placement, phase mapping, battery interaction and import/export limits must be configured for the site. Confirm the currently supplied Australian multiphase model, firmware and RCM documentation before ordering.

## 1. TECHNICAL SPECIFICATIONS

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Consolidated manufacturer specifications for preliminary design and customer information.

## Electrical specifications

| Electrical parameter   | Reference value                                            |
|------------------------|------------------------------------------------------------|
| Rated power            | 7 kW single-phase or 22 kW three-phase                     |
| Rated supply voltage   | 230 V AC 1P or 400 V AC 3P (+/-10%)                        |
| Rated current          | 32 A maximum; adjustable from 6 A to 32 A                  |
| Supply frequency       | 50 Hz                                                      |
| Charging mode          | Mode 3, IEC 61851-1 communication                          |
| Connector              | Type 2 tethered cable or Type 2 socket with locking system |
| Standby consumption    | 3 W                                                        |
| Dynamic load balancing | Configurable to limit unit or grid current                 |

## General, environmental and communications data

| General parameter     | Reference value                                                   |
|-----------------------|-------------------------------------------------------------------|
| Dimensions            | 439 x 282 x 122 mm                                                |
| Tethered cable        | 6.5 m                                                             |
| Protection            | IP65 weatherproof; IK10 impact resistance                         |
| Operating temperature | -25 C to +40 C                                                    |
| Display               | Graphical backlit LCD and multicolour front LED                   |
| Connectivity          | 2.4 GHz Wi-Fi, Ethernet and proprietary wireless sensor interface |
| Grid sensor           | 100 A maximum primary current; 16 mm maximum cable diameter       |
| Warranty              | 3 years stated in the reference datasheet                         |

## Smart and energy-management features

- ✔ ECO mode blends available generation with grid power
- ✔ ECO+ pauses charging when surplus generation is insufficient
- ✔ FAST charges at the configured maximum rate
- ✔ Programmable timer, charge logging and PIN-code lock
- ✔ Works alongside battery storage systems when correctly configured

## 2. INSTALLATION, COMMISSIONING AND HANDOVER

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Installer-focused design checks for a compliant hard-wired Australian installation.

## Installation and commissioning review

| Check                | Included / expected                                                                                        | Site-dependent requirement                                                     |
|----------------------|------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Supply and phase     | Select 230 V single-phase or 400 V three-phase connection to suit the exact model.                         | Circuit rating and cable size are site dependent.                              |
| Current transformers | Install and orient supplied CT sensor(s) for import/export and generation measurement.                     | Verify phase assignment and polarity during commissioning.                     |
| Protection           | Provide protective devices in accordance with the current installation manual and Australian wiring rules. | RCD arrangements must match the exact Australian model and local requirements. |
| Communications       | Connect by Ethernet or 2.4 GHz Wi-Fi for app monitoring and updates.                                       | Confirm network signal at the mounting location.                               |
| Commissioning        | Set grid limit, charging mode, timers, battery behaviour and CT configuration.                             | Test ECO, ECO+ and FAST operation before handover.                             |

## Standard installation and handover scope

| Function                 | Included / expected                                                                             | Site-dependent requirement                                                       |
|--------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Mounting and cable route | Secure wall mounting, compliant cable support and mechanical protection.                        | Wall construction, exposure, conduit route, penetrations and mounting height.    |
| AC connection            | Dedicated hard-wired connection to the switchboard with labelled isolation/protection.          | Service capacity, phase allocation, voltage drop and switchboard condition.      |
| Testing                  | Polarity, earth continuity, insulation, protective-device operation and functional charge test. | Vehicle availability, test adapter and manufacturer commissioning process.       |
| Online monitoring        | App/portal setup, owner account and basic operating demonstration.                              | Stable internet, mobile coverage or OCPP backend credentials.                    |
| Documentation            | Equipment schedule, settings, serial number, photos and customer handover records.              | Network/DNSP requirements, warranty registration and site-specific certificates. |

### AUSTRALIAN INSTALLATION NOTE

Installation must be completed by a licensed electrician in accordance with current Australian wiring rules, manufacturer instructions, product approval conditions and the requirements applying to the premises. Cable sizing, protection, RCD/RDC-DD coordination, earthing, load management and phase selection are final engineering decisions, not fixed package assumptions.

### 3. SOURCES, WARRANTY AND COMPLIANCE NOTES

## myenergi zappi 2.1

Manufacturer references must be checked again before quotation, ordering and installation.

### Manufacturer reference documents

**1. myenergi - zappi 2.1 Technical Datasheet, Rev. 2.1.5**

Open official manufacturer source

**2. myenergi Australia - Installer Download Centre**

Open official manufacturer source

**3. myenergi - zappi 2.1 Multiphase product update**

Open official manufacturer source

### Final pre-quotation and procurement checklist

| Check                  | Required confirmation                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Exact product identity | Confirm model suffix, power rating, phase configuration, connector/cable option, hardware revision and RCM approval.            |
| Vehicle compatibility  | Confirm Type 2 compatibility and the EV onboard AC charging limit.                                                              |
| Site and switchboard   | Confirm available supply capacity, phase arrangement, main switchboard condition, cable route and load profile.                 |
| Protection and cabling | Finalise breaker/RCD/RDC-DD coordination, cable sizing, voltage drop, earthing, isolation, labelling and mechanical protection. |
| Smart energy features  | Confirm meters/CTs, solar integration, load-management hardware, communications and backend subscriptions.                      |
| Warranty and handover  | Verify Australian warranty terms, register the product, provide serials/settings and demonstrate app operation.                 |

### Warranty wording

**WARRANTY**

The reference zappi 2.1 datasheet states a 3-year warranty. Australian consumer guarantees and the current myenergi APAC warranty terms also apply; verify registration and conditions for the exact unit supplied.

### Technical and commercial disclaimer

**IMPORTANT**

This HI-PRO document is a consolidated technical reference and marketing-support sheet. It is not the manufacturer datasheet, a construction drawing, a final circuit design or a substitute for current installation manuals. Specifications, firmware, approvals, accessories and warranty terms can change without notice. Final equipment selection and installation must be confirmed after site inspection and must comply with all applicable Australian requirements and manufacturer instructions.

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