

EV CHARGER DATA SHEET

FoxESS A Series EV Charger

Connected AC charging with solar linkage, dynamic load balancing and OCPP support.



Product configuration

A7300, A011K and A022K families; plug and socket variants.

Perfect for:

FoxESS solar and battery customers, smart homes and projects requiring OCPP or Modbus integration.

- ✔ Single-phase 7.3 kW and three-phase 11 kW / 22 kW models.
- ✔ Available with Type 2 cable, socket or shuttered socket configurations.
- ✔ Wi-Fi, Bluetooth and Ethernet are standard; 4G is optional.

7.3 / 11 / 22 kW

Available outputs

32 A max

Model-dependent

IP65 body

Socket area IP55

RCM

Certification stated

Product configuration

Component	Selected model / description
Charger	1 x FoxESS A Series EV Charger
Output variants	7.3 kW 1P, 11 kW 3P or 22 kW 3P
Vehicle connection	Type 2 cable, Type 2 socket or shuttered Type 2 socket
Monitoring / control	App, RFID and plug-and-charge; OCPP platform optional
Connectivity	Bluetooth, 2.4 GHz Wi-Fi, Ethernet and optional 4G LTE
Energy features	Dynamic load balance and direct surplus-solar charging

IMPORTANT DESIGN NOTE

The current A Series datasheet states that an external RCCB is required and that Type A or Type B selection must follow local regulations. Final model suffix, connector configuration and RCM documentation must be confirmed before supply.

1. TECHNICAL SPECIFICATIONS

FoxESS A Series EV Charger

Consolidated manufacturer specifications for preliminary design and customer information.

Electrical specifications

Electrical parameter	Reference value
Maximum AC power	7.3 kW, 11 kW or 22 kW
Rated output current	32 A (7.3 kW), 16 A (11 kW), 32 A (22 kW)
Rated voltage	230 V +/-20% 1P or 400 V +/-20% 3P
Frequency	50 / 60 Hz
Standby consumption	<=10 W
Power accuracy	<=2%
Residual current detection	30 mA AC + 6 mA DC; external RCCB required
Protection functions	Over/under voltage, overcurrent, ground, surge, temperature, tamper and PEN

General, environmental and communications data

General parameter	Reference value
Dimensions - cable version	190 x 320 x 130 mm
Dimensions - socket version	190 x 320 x 144 mm
Net weight	<=6.3 kg cable version; <=3.2 kg socket version
Charging cable	6 m for cable version
Operating temperature	-30 C to +50 C
Protection	Body IP65; socket IP55; IK08
Connectivity	Bluetooth, Wi-Fi, Ethernet, optional 4G; OCPP 1.6 JSON / 2.0.1
Certification stated	CE, CB, UKCA and RCM

Smart and energy-management features

- ✔ Dynamic load balancing
- ✔ Direct surplus-solar charging
- ✔ Scheduled time charging
- ✔ OCPP 1.6 JSON or OCPP 2.0.1 and open Modbus interface
- ✔ ISO 15118 communication hardware-ready option

2. INSTALLATION, COMMISSIONING AND HANDOVER

FoxESS A Series EV Charger

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 A7300 1P, A011K 3P or A022K 3P model.	Confirm supply capacity and vehicle onboard charger rating.
Protection	Provide an external RCCB and dedicated upstream protection.	Select Type A or Type B arrangement according to current local requirements.
Load / solar control	Install and configure the required metering or integration hardware.	Verify dynamic limit and surplus-solar response under load.
Communications	Pair by Bluetooth, connect Wi-Fi/Ethernet, and add optional 4G where required.	Configure OCPP backend only when specified.
Commissioning	Set maximum current, start method, RFID/app access and scheduled charging.	Record final model suffix, serial number and firmware.

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

FoxESS A Series EV Charger

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

Manufacturer reference documents

1. FoxESS Australia - A Series EV Charger Datasheet V1.4, 5 June 2026

Open official manufacturer source

2. FoxESS Australia - A Series product page

Open official manufacturer source

3. FoxESS Australia - EV Charger Downloads

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 referenced A Series datasheet does not publish a warranty duration. Verify the FoxESS Australia EV charger warranty, registration requirements and sales-channel conditions for the exact model 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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