

Specifications

Technical

Electrical

- Charging power: Single phase up to 7.4kW/32A; Three phase up to 22kW/32A
- Number of phases: 1 or 3 (fully dynamic)
- Voltage: Single phase:230V±10%; Three phase: 400V±10%
- Connector type: IEC 62196 type 2 socket or
- socket with shutter Grid frequency: 50Hz
- Power grid: TN, IT, TT
- Meter: Built-in energy meter (±1 %) MID
- Load management: Dynamic Load Balance, automatic adjustment of charging speed based on available current, and solar
- Elecq Link networking: Up to 15 chargers in no-Elecq Power Master mode, 35 in one Elecq Power Master mode and 500 in multiple Elecq Power Master mode

Connectivity

- Cat4 LTE 4G with built-in eSIM or standard SIM card
- WIFI 2.4GHz&5GHz,
- 802.11b/g/n/a/ac/ax
- Bluetooth
- Wi-Sun Sub-GHz RFID/NFC reader
- OCPP 1.6J and OCPP 2.0.1
- Ethernet RS485

Interaction

- 5' LCD touch screen
- LED Light strip showing the status of the charger
- Sound effects and voice prompt

General

- Dimension: 350*233*169mm
- Weight: 4.0kg
- Operating temperature: -40~55°C
- Storage temperature: -40~85°C • Operating altitude: 2000m
- Integrated overload protection according to EN IEC 61851-1:2019
- Built-in RCD for ground fault protection (30 mA AC/ 6 mA DC) according to IEC 62955
- Degree of protection: IP65
- Impact resistance: IK8
- Insulation class: I
- Overvoltage category III
- Temperature sensors in all main contacts and critical components

Theft protection

- · Anti-theft detection
- The charging cable can be locked permanently in the charger
- Padlock bracket for theft protection

Compliance

- IEC/EN 61851-1
- EN 301 908-1 EN 300 328
- IEC/EN 61851-21-2 IEC/EN 62955
 - EN 300 330
- IEC 62196
- EN 50470-1
- EN 301 908-13
- EN 50470-3

Charge More with Less

Protection



Safety

www.elecq.com







Charge More with Less

ELECO

Elecq Biz provides robust connectivity for networks of

up to 500 chargers, enabling stable self-organizing systems in

Installer-friendly design allows for installation in under 10 minutes

per unit, with batch configuration possible without powering on

ELECQ

ELECQ

diverse scenarios seamlessly connected to the Cloud.

the chargers, saving time and costs.





Stunning economy.

Benefits

- Elecq Link supports wireless self-organization network for up to 500 devices with minimal effort
- Elecq Power Master intelligently schedules and manages the energy of the grid, solar, ESS, EV charging, and other loads
- Local and cloud-based DLB/ALM, up to 15 devices in no Power Master mode, and up to 500 with Elecq
- Elecq Power Monitor avoids expensive investment in smart meter
- V2G ready (Comply with ISO 15118-20)
- WIFI connection
- Internal 30mA AC and 6mA DC leakage detection
- Integrated earth fault protection
- Integrated RFID reader (NFC/ISO 14443 and MIFARE Energy measurement (+/- 1 %), for reading charge
- consumption, MID certified
- OCPP 1.6J and OCPP 2.0.1 supported



22kW

Full of power

up to 22 kW in

High charging power

a Type 2 connector.







99%

Uptime









V2G Ready

> V2G support and ISO for peak grid load reduction and additional revenue opportunities.









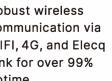




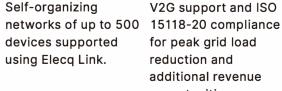
High environmental adaptability

Reliable performance in extreme conditions three-phase and uses with broad temperature adaptability.

Robust wireless communication via WIFI, 4G, and Elecq Link for over 99% uptime.







Devices self-

organizing





Efficient to install, scale, setup and maintain

- Install in just 10 minutes by one person with Elecq Home's modular snap-in design secured by a single screw.
- Easily scale up with Elecq's modular design by pre-installing the Backplate and Elecq Ready for future 'plug-and-play'
- User-friendly setup through the Elecq App with guided flow and NFC preloaded configurations for a seamless 'plug-and-play'
- Remote issue recovery with over 90% success through real-time alerts and sensor data uploads via Elecq Cloud, reducing maintenance costs.

Bill-saving smart

- Save up to 30% on charging expenses* by utilizing Elecq Cloud to find the most cost-effective charging plan based on local electricity rates and operational needs.
- Avoid costly grid upgrades by balancing power usage between the charging station and other loads. Enhance charging speed with Elecq Power Master and Elecq Power Monitor (available separately) for optimized performance. Elecq's unique phase balancing system optimizes power distribution among all three phases, ensuring efficient charging for multiple electric vehicles.

*Calculated and measured by Elecq Labs

Future proof

- Elecq Biz supports V2G and complies with ISO 15118-20, enabling charging during off-peak hours to maximize savings through energy storage or grid feedback.
- Compliant with ISO 15118 and OCPP2.0.1, Elecq supports PnC and helps operators with advanced technology for a convenient and secure charging experience for drivers.
- Regular updates and enhancements ensure a safe and future=proof product for users.
- · Prioritizing environmental sustainability, our products feature recyclable PC shells and energy-efficient production processes, promoting eco-friendliness and sustainability at every stage.





Elecq Biz Side view

