

## Specifications

### Technical

### Electrical

- Charging power: Three phase up to 22kW/32A; 11kW/16A
- Number of phases: 3 (fully dynamic)
- Voltage: 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 (±0.5 %) MID certified
- Load management: Dynamic Load Balance, automatic adjustment of charging speed based on available current, and solar charging
- Up to 30 chargers on the same circuit when using Elecq Link. and up to 500 with multi-level circuits using Elecq Link and LAN network

### Connectivity

- Cat4 LTE 4G with standard SIM card or built-in eSIM(optional)
- WIFI 2.4GHz&5GHz, 802.11b/g/n/a/ac/ax
- Bluetooth
- Elecq Link(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

### Safety

### Protection

- 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: IK10
- 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
- IEC/EN 61851-21-2
- IEC/EN 62955
- IEC 62196
- EN 301 908-13
- REA 6A PTB-A50.7
- EN 301 908-1
- EN 300 328
- EN 300 330
- EN 50470-1
- EN 50470-3
- EN 18031-1

**Elecq Biz** provides robust connectivity for networks of up to 500 chargers, enabling stable self-organizing systems in diverse scenarios seamlessly connected to the Cloud.

Installer-friendly design allows for installation in under 10 minutes per unit, with batch configuration possible without powering on the chargers, saving time and costs.



## Charge More with Less



- www.elecq.com
- sales@elecq.com
- support@elecq.com



## Charge More with Less



# Elecq Biz

Massive connectivity.  
Stunning economy.

## Benefits

- Elecq Link supports wireless self-organization network for up to 500 devices with minimal effort
- Elecq smart algorithm running on the Master charger intelligently schedules and manages the energy of the grid, solar, ESS, EV charging, and other loads
- Local and cloud-based DLB/ALM, up to 30 devices in a single circuit when using Elecq Link, and up to 500 with multi-level circuits using Elecq Link and LAN network
- 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 Classic®)
- Energy measurement (+/- 0.5 %), for reading charge consumption, MID certified, Eichrecht certified
- OCPP 1.6J and OCPP 2.0.1 supported



**22kW**  
Full of power

High charging power up to 22 kW in three-phase and uses a Type 2 connector.



**-40°C~55°C**  
High environmental adaptability

Reliable performance in extreme conditions with broad temperature adaptability.



**99%**  
Uptime

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



**500**  
Devices self-organizing

Self-organizing networks of up to 500 devices supported using Elecq Link and LAN network.



**V2G**  
Ready

V2G support and ISO 15118-20 compliance for peak grid load reduction and additional revenue opportunities.

## Why Choose Elecq Biz

### 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' expansion.
- User-friendly setup through the Elecq App with guided flow and NFC preloaded configurations for a seamless 'plug-and-play' experience.
- 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 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  
Front view



Elecq Biz  
Side view

