Bchargy®

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 %)
- Load management: Up to 5 chargers on the same circuit
- Automatic adjustment of charging speed based on available current (Elecq Power Monitor required)
- Automatic charging with solar generation (Elecq Power Monitor required)

Connectivity
- 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
- Cat4 LTE 4G with standard SIM card or built-in eSIM (optional)
- Ethernet
- RS485

Interaction
- Elecq App
- LED Light strip showing the status of the charger
- Sound effects and voice prompt

General
- Dimension: 283*191*154mm
- Weight: 2.7kg
- 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
- Insulation class: I
- Overvoltage category III
- Degree of protection: IP65
- Impact resistance: IK10
- 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 301 908-1
- EN 301 908-13
- EN 300 328
- EN 300 330

Elecq Home is intelligent and adapts to all electric vehicles, power voltages and mains. It offers smart charging to cut additional infrastructure and electricity costs.

Installer-friendly design reduces installation time and expenses. It features high reliability and safety designs, making it the top choice for home charging.

Charge More with Less

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Bchargy®

Charge More with Less

ELECQ

Elecq Home
Impressively smart.
Impossibly easy.

Benefits

- Elecq Power Monitor avoids expensive investment in smart meter
- Active Load Management (ALM), cloud and locally
- Dynamic Load Balance (DLB), up to 5 units per fuse
- V2H,V2G ready (Comply with ISO 15118-20)(optional)
- All-in-one smart app for home energy management
- 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 (+/- 1 %), for reading charge consumption
- Elecq Link avoids unnecessary investments in wired communication
- Excellent sound effects

22kW	-40°C~55°C	30%	Reliable local control	Elecq APP
Full of power	High environmental adaptability	Electricity cost saving	By Bluetooth	User friendly
Supports up to 22kW high charging power in three-phase.	Reliable performance in extreme temperatures.	Intelligent charging algorithm for cost savings.	Local control and monitoring without internet.	Seamless integration with Apple Siri for easy management.

Elecq Home Front view — W:191 H:283

Elecq Home Side view — D:154

❙ Why Choose Elecq Home

Bill-saving smart
- Save up to 30% on charging expenses* with our intelligent charging plans tailored to local electricity rates and user habits.
- Optimize charging speed with Elecq Power Monitor, balancing power usage between charging stations and home loads without costly infrastructure upgrades.
- Maximize savings by utilizing free, clean energy sources like solar power, and avoid high grid energy prices with Elecq Power Monitor.
  *Calculated and measured by Elecq Labs

Cost-saving to install, scale and setup
- Install in just 10 minutes by one person with Elecq Home's modular snap-in design, secured with a single screw between the Backplate and Cover.
- 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.

Safety
- High-precision sensors monitor main contacts and critical components in real-time, with power-off protection for unexpected temperature rises.
- Industry-leading surge protection at 10kV/5kA, exceeding EU standards, for robust defense against electrical hazards.
- The socket is angled at 26 degrees to reduce cable protrusion, protecting it from damage and helping maintain a good connection over time.
- IP65 and IK10 ratings ensure optimal safety for indoor and outdoor installations, withstanding extreme weather conditions and physical impacts.