

Terelec Wallbox 7kW / 11kW / 22kW

Intelligent EV Charger



- Supports charging through the App, Plug and Play and card swipe.
- Supports OCPP 1.6J.
- The working temperature is -30 °C to +50 °C (-22 °F to +122 °F).
- Supports integrated 30 mA Type A and 6 mA DC RCD protection functionality, and allows for PEN protection customisation.
- Supports load balancing.
- Offers multiple safety protections.
- Two years warranty.

Intelligent Operation and Maintenance

Supports error alarms, OTA update, DSO control, remote control and restart.

Protection Capabilities

Comes with protection against overvoltage, undervoltage, overcurrent, short circuits, lightning surges, electric surges, leakage, overtemperature, metering failure, CP disconnection, and vehicle PE disconnection. It can also detect relay sticking and LN reverse connection, and offers grounding protection, PEN protection, and data security. The EV Charger is also dustproof and waterproof so that you can feel secure and comfortable while using it.

System Overview

Terelec Wallbox is a high-efficiency Electric Vehicle Supply Equipment (EVSE). It offers fast charging, robust safety mechanisms, and a user-friendly interface, providing a reliable and convenient EV charging experience.

Functions

Multiple Start Methods

Charging can be easily initiated through App, RFID or Plug and Play.

Current Adjustment

The current can be adjusted from 6 A to 32 A. The EV Charger also has protection against overloads and safely uses home electricity, while providing fast charging at maximum power.

Scheduled Charging

Charging can be scheduled and energy levels customised. By selecting the most convenient charging periods, you can reduce electricity costs and ease the load on the power grid. Additionally, you can tailor the amount of energy for charging your vehicle based on the actual demands of its battery. This approach minimises float charging and helps protect the battery.

Scene

Suitable for installation in homes and commercial premises to charge new energy vehicles.

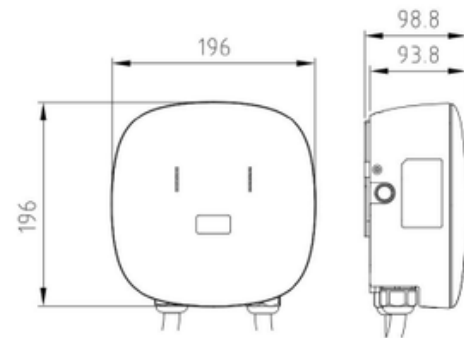
Technical Specification

| | 7KW | 11KW | 22KW |
|----------------------------------|---|-----------------------------------|----------------------------|
| Basic | | | |
| Rated power | 7KW AC230V | 11KW | 22KW AC400V |
| Power supply | ±15% 50/60Hz 1-Phase | AC400V ±15% 50/60Hz 3-Phase | ±15% 50/60Hz 3-Phase |
| Input cable wiring method | L1/N/PE | L1/L2/L3/N/PE | L1/L2/L3/N/PE |
| Operating current Socket | 32A Max | 3*16A Max | 3*32A Max |
| outlet / connector type | 5m (16.40 ft) Cable, Type 2 | | |
| Charging protocol | Mode 3 (EN/IEC 61851) | | |
| Protection | IP65 | | |
| Anti-collision grade | IK10 (LCD is only IK08) | | |
| Operating Temperature | -30°C to +50°C (-22°F to +122°F) | | |
| Storage Temperature | -40°C to +70°C (-40°F to +158°F) | | |
| Port | | | |
| Charging Port | Type 2 IEC62196 | | |
| Communication | WiFi + Bluetooth | | |
| Others | NA | | |
| Function | | | |
| Charging Control mode | Plug & Charge / RFID / APP | | |
| Communication Protocol | OCPP 1.6J | | |
| Upgrade method | OTA by APP | | |
| DLB & PV | Supports Dynamic Load Balancing (DLB) Solar charging. | | |
| Leakage protection | 30mA Type A RCD + 6mA DC | | |
| Security protection | Surge protection, over temperature protection, over voltage protection, under voltage protection, over current protection, grounding protection, electrical leakage protection, PEN (for British regions), and Integral 30mA Type A RCD (EN 61008) + 6mA DC protection (EN 62955) | | |
| General | | | |
| Operating Humidity | ≤95% (RH), non-condensing | | |
| Product Dimensions | 200*200*100mm | | |
| Packaging Dimensions | 460*360*210mm | | |
| Net weight | 3.5KG±0.5KG | — | 5.5KG±0.5KG |
| Package Weight | 5KG±0.5KG | — | 7KG±0.5KG |
| Installation Environment | Indoor or outdoor in well-ventilated places and free of oil stains, chemicals and inflammable and explosive substances. | | |
| Installation | Wall mount and vertical pole mount | | |
| Wire | Wire cross-section: 3 × 6 mm ² (9 AWG) 1-Phase 5 × 6 mm ² (9 AWG) 3-Phase | | |
| Product Standard | CE EN IEC61851-1 IEC62955 IEC61000 IEC62196 | | |

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|-------------------------|---|
| Product Standard | CE EN IEC61851-1 IEC62955, IEC61000, IEC62196 |
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Dimensions (mm)

Dimensions(mm)



Unit: mm

Unit: mm

Order Information

| Product Name | Series Title | Model |
|-------------------------------|-----------------|-----------------------|
| Intelligent EV Charger | Terelec Wallbox | AC101-07SC-GB |
| | | AC101-11SC-GB |
| | | AC101-22SC-GB |
| Accessories (Optional) | CT Sensor | 1pc for single phase |
| | | 3pcs for three phases |

Note: The "-GB" suffix denotes UK market. Other region codes available on request.