# EV CHARGING SOLUTION
## AC Charger / AC MAX

## Features

- 22kW AC charger improves parking turnover
- RFID and ISO 15118 authentication for user management
- Low standby power consumption for energy-saving
- Remote management by built-in network connectivity
- OCPP compliance enables backend system integration
- IP55 and wallmount/stand installation provides high adaptability

Commercial Building   Parking Lot   Fleet   Residential Area

**ΔELTA**

# Compact and Powerful -
## Liven up Business and Home Charging

AC MAX is a smart AC charger supporting maximum 22kW output and global charging interface. With IP55 / IK10 and compact design, AC MAX provides high adaptability to outdoor and space-limited sites. By supporting ISO 15118, network connectivity and compatible with OCPP, AC MAX reserves the interoperability for system integration and can be an ideal solution for commercial and residential charging sites.

# Feature Highlights

**Network Connectivity**
Bluetooth, Ethernet, Cellular, WLAN

## Max. Performance

- Up to 22kW output
- Low standby power
- Over-the-Air (OTA) configuration

**Charging Standard**

- IEC 62196-2
- SAE J1772
- GB/T 20234

**Wiring**
Bottom fed, Rear fed

## Max. Adaptability

- Global charging standard
- Compact design
- Flexible installation
- IP55 / IK10

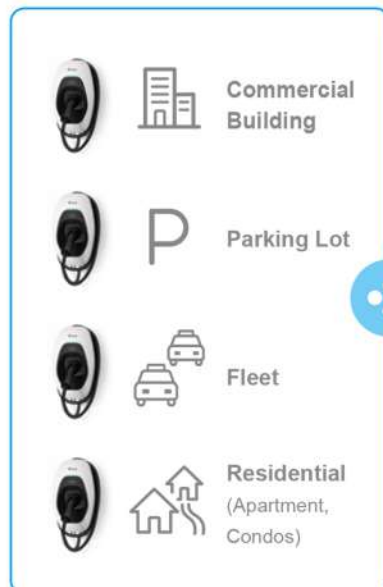**User Authentication**
RFID reader, ISO 15118

## Max. Interoperability

- RFID, ISO 15118 identification
- Network connectivity
- OCPP backend compatibility
- Energy management

# Application Scenario

**Charging Network**

- Commercial Building
- Parking Lot
- Fleet
- Residential (Apartment, Condos)

**Backend Office**

EV Charging Network Management System

Mobile App access for remote control

**Applications**

- Energy Management
- Membership Management
- Site / Building Management

... and more

# Specifications

| Part Number | EVAAE- | |
|---|---|---|
| **Power** | **Single Phase** | **Three Phase** |
| Input / Output Rating | 230 Vac, 32 A (maximum), 50 Hz | 400 Vac, 32 A (maximum), 50 Hz |
| Wire | L, N and PE, hardwired with terminal block | L1, L2, L3, N and PE, hardwired with terminal block |
| Standby Power * | < 2.6 W | |
| Max. Output Power | 7.4 kW | 11 kW, 22 kW |
| Charging Interface * | (1) IEC 62196-2 Type 1 or Type 2 tethered plug, 5 m cable<br>(2) IEC 62196-2 Type 2 Socket<br>(3) IEC 62196-2 Type 2 Socket with shutter | |
| **Protection** | | |
| Internal RCD | AC 30 mA, DC 6 mA | |
| Electrical Protection | Over current, Under voltage, Over voltage, Over temperature,<br>Surge protection, Short circuit, Ground fault | |
| Upstream Breaker | In accordance with local regulations | |
| Cold-Load Pickup | Randomized delay before charge resume after power failure | |
| Automatic Recovery | Automatically resume charging after a minor fault.<br>No user intervention required | |
| **Environment** | | |
| Operating Temperature | -30 ºC to +50 ºC (-22 ºF to +122 ºF) | |
| Storage Temperature | -40 ºC to +80 ºC (-40 ºF to +176 ºF) | |
| Humidity | < 95% relative humidity, non-condensing | |
| Altitude | Up to 4,000m (13,000 ft.) | |
| **Mechanical Design** | | |
| Ingress Protection | IP55 | |
| Enclosure Protection | IK10 according to IEC 62262 | |
| Cooling | Natural cooling | |
| Charging Cable Length | 5m | |
| Dimension (W x H x D) | 218 x 371 x 167 mm ( 8.6 x 14.6 x 6.6 inch)<br>excluding charging cable, mounting plate and cable holder | |
| Weight | 3.8 kg (8.3 lbs), without package | |
| **Regulation** | | |
| Certificate / Compliance | CE, IEC 61851-1, IEC 62196-2 | |
| **Installation** | | |
| Accessory | Stand (optional) | |

| Version | Basic | Smart | Premium |
|---|---|---|---|
| **User Interface & Control** | | | |
| Display | LED bar, 4 colors | LED bar, 4 colors | LED bar, 4 colors |
| Switch | Key switch | - | - |
| Charger Configuration | Maximum charging current selected by hardware DIP switch | | |
| User Authentication | - | ISO/IEC 14443 RFID card reader<br>ISO 15118 Plug & Charge | ISO/IEC 14443 RFID card reader<br>ISO 15118 Plug & Charge |
| **Communication** | | | |
| Network Interface | - | Bluetooth, Ethernet, WLAN or Cellular | Bluetooth, Ethernet, Cellular |
| Charging Protocol | - | OCPP 1.5S, OCPP 1.6J,<br>upgradable to OCPP2.0 | OCPP 1.5S, OCPP 1.6J,<br>upgradable to OCPP2.0 |
| **Metering** | | | |
| Meter | - | meter IC | MID meter* |

\* Product outlook depends on model configuration. Specifications are subject to change without notice.

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