



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



DELTA

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/IK08 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

Max. Performance

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

Charging Standard

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

Wiring
Bottom fed, Rear fed

Network Connectivity
Bluetooth, Ethernet, Cellular, WLAN



Max. Adaptability

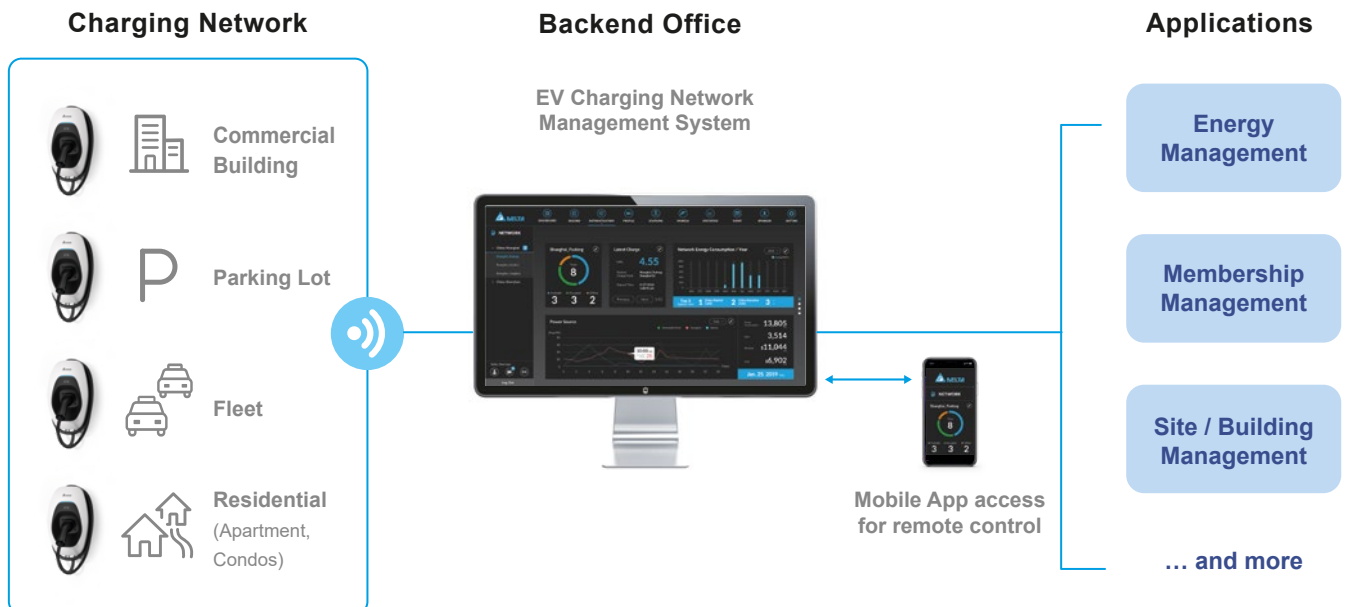
- Global charging standard
- Compact design
- Flexible installation
- IP 55 / IK 08

User Authentication
RFID reader, ISO 15118

Max. Interoperability

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

Application Scenario



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 (2) IEC 62196-2 Type 2 Socket (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, 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. No user intervention required	
Environment		
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F), > 50 °C current de-rating	
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)	
Humidity	< 95% relative humidity, non-condensing	
Altitude	Up to 4,000m (13,000 ft.)	
Mechanical Design		
Ingress Protection	IP55	
Enclosure Protection	IK08 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) 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 ISO 15118 Plug & Charge	ISO/IEC 14443 RFID card reader ISO 15118 Plug & Charge
Communication			
Network Interface	-	Bluetooth, Ethernet, WLAN or Cellular	Bluetooth, Ethernet, Cellular
Charging Protocol	-	OCPP 1.5S, OCPP 1.6J, upgradable to OCPP2.0	OCPP 1.5S, OCPP 1.6J, upgradable to OCPP2.0
Metering			
Meter	-	meter IC	MID meter*

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



Delta Electronics (Netherlands) BV

Zandsteen 15, 2132 MZ Hoofddorp,
The Netherlands
TEL : +31 20 655-0900

Delta Electronics Inc.

3 Tungyuan Road, Chungli Industrial Zone,
Taoyuan City 32063, Taiwan
TEL : +886 3 4526107 E-mail : evcs@deltaww.com