

EV Charging Solution

# AC Charger



## PRODUCT OVERVIEW

Delta AC chargers have a power output ranging from 7 to 22 kW. Featuring a compact design, global charging interface support, user authentication, and easy installation, our AC chargers are perfectly suited for both commercial and home charging.



### AC MAX

**Max. 22kW Output AC Charger**

- 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 back end system integration
- IP55 and wall mount/stand installation



### AC Mini Plus

**7kW Output AC Charger**

- Intuitive user interface
- RFID reader for user authentication
- Multi-communication options for back end integration
- Adjustable operating current



### AC Mini

**9.6kW Output AC Charger**

- Up to 9.6kW of output power
- Compact and robust Type 3R design
- Network connectivity for OCPP back end integration
- RFID user authentication



# 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 back end system integration
- IP55 and wall mount/stand installation

## Specifications

MODEL	EIAW-U	EIAW-E	EIAW-G
POWER			
Input Rating	Single phase: 208~240V, 60Hz 48A, 80A (maximum)	Single phase: 230 V, 50-60Hz 32A (maximum) Three phase: 400 V, 50-60Hz 16A, 32A (maximum)	Single phase: 220 V, 50-60Hz 32A (maximum) Three phase: 380 V, 50-60Hz 16A, 32A (maximum)
Wire	L1, L2, PE	Single phase: L, N, PE Three phase: L1, L2, L3, N, PE	Single phase: L, N, PE Three phase: L1, L2, L3, N, PE
Standby Power	< 2.6W *	< 2.6W *	< 2.6W *
Output Power	11kW, 19.2kW	7.4kW, 11kW, 22kW	7.4kW, 11kW, 22kW
Charging Interface	SAE J1772	(1) IEC 62196-2 Type 1 or Type 2 tethered plug (2) IEC 62196-2 Type 2 socket (3) IEC 62196-2 Type 2 socket with shutter	GB/T 20234.2
PROTECTION			
Internal RCD	20 mA CCID	AC 30mA, DC 6mA	AC 30mA, DC 6mA
Electrical Protection	Over current, over voltage, under voltage, surge protection, short circuit, ground fault, over temperature		
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.		
MECHANICAL DESIGN			
Ingress Protection	Type 3R	IP55	IP55
Enclosure Protection	IK09 according to IEC 62262		
Cooling	Natural cooling		
Charging Cable Length	25ft	5m	5m
Dimension (W x H x D)	218 x 371 x 167 mm ( 8.6 x 14.6 x 6.6 inch) **		
Weight	3.8 kg (8.3lb)**		
Installation Options	Wall mounted, stand		
Accessory	Stand		

\* Basic model standby power

\*\* Excluding charging cable

## Highlights

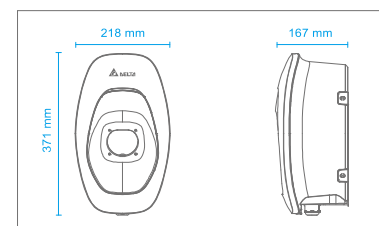


MODEL	EIAW-U	EIAW-E	EIAW-G
ENVIRONMENT			
Operating temperature	-30 °C to +50 °C (-22 °F to +122 °F)		
Storage temperature	-40 °C to +80 °C (-40 °F to +176 °F)		
Humidity	< 95% relative humidity, non-condensing		
Altitude	Up to 2,000 m (6,500 ft)		
REGULATION			
Certificate	UL, cUL, FCC Part 15 Class B, ENERGY STAR	CE, UKCA, IEC 61851-1, IEC 62196-2	CQC, GB/T 18487.1, GB/T 18487.2

VERSION	Basic	Smart	Premium
USER INTERFACE			
Status Indicator	LED bar, 4 colors		
Charger Configuration	Maximum charging current selected by hardware DIP switch		
User Authentication	Key switch (available for EIAW-E/-G)	ISO/IEC 14443 RFID card reader	ISO/IEC 14443 RFID card reader
Metering	-	Meter IC	Certified Meter ***
COMMUNICATION			
Network Interface	Bluetooth	Ethernet, Bluetooth, Wifi, Cellular	Ethernet, Bluetooth, Wifi, Cellular
Protocol		OCPP 1.6J, upgradable to OCPP2.0	OCPP 1.6J, upgradable to OCPP2.0

\*\*\* According to regional requirements

## Mechanical Drawing





## AC Mini Plus

### Features

- Intuitive user interface
- RFID for user authentication
- Multi-communication options for backend integration
- Adjustable operating current

### Specifications

MODEL	EVPT	EVPE
POWER		
Input Rating	Single phase: 220V, 50 / 60Hz, 32A	Single phase: 230V, 50 / 60Hz, 32A
Wire	L, N, PE	L, N, PE
Standby Power	< 6.5W	< 6.5W
Output Power	7.4kW	7.4kW
Charging Interface	CNS 15511	(1) IEC 62196-2 Type 1 or Type 2 tethered plug (2) IEC 62196-2 Type 2 socket
PROTECTION		
Internal RCD	AC 30mA and DC 6mA	
Electrical Protection	Over current, over voltage, under voltage, residual current, surge protection, short circuit, ground fault, over temperature, plug-out protection	
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	
USER INTERFACE		
Status Indicator	Power, Status, Charge, Fault	Power, Status, Charge, Fault
Button / Switch	Key switch, On/Off switch, Reset button, Emergency stop button *	Key switch, On/Off switch, Reset button, Emergency stop button *
Charger Configuration	Maximum charging current selected by hardware DIP switch	
User Authentication	ISO/IEC 14443 RFID card reader	ISO/IEC 14443 RFID card reader
COMMUNICATION		
Network Interface	Ethernet, WLAN	Ethernet, WLAN or Cellular
Protocol	OCPP1.5S, OCPP 1.6J	OCPP1.5S, OCPP 1.6J

\* According to regional requirements

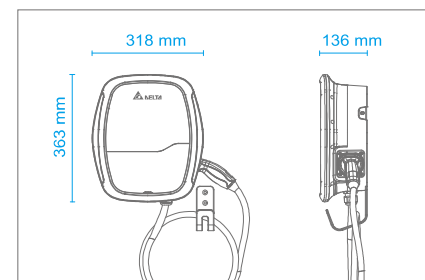
### Highlights



MODEL	EVPT	EVPE
ENVIRONMENT		
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F)	
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)	
Humidity	<95% relative humidity, non-condensing	
Altitude	Up to 2,000 m (6,500 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)	318 x 363 x 136 mm (12.5 x 14.3 x 5.3 inch) **	
Weight	3.7kg (8.2lbs)**	
Installation Options	Wall mounted, stand	
Accessory	Stand	
REGULATION		
Certificate	CNS 15511	CE, IEC 61851-1, IEC 61851-2

\*\* Excluding charging cable

### Mechanical Drawing





## AC Mini

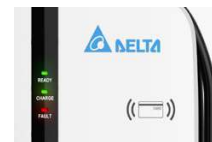
### Features

- Up to 9.6kW of output power
- Compact and robust Type 3R design
- Network connectivity for OCPP backend integration
- RFID user authentication

### Specifications

MODEL	EVMU
<b>POWER</b>	
Input Rating	Single phase: 208-240V, 60Hz 30A, 40A (maximum)
Wire	L1, L2, PE
Standby Power	< 5W
Output Power	7.2kW, 9.6kW
Charging Interface	SAE J1772
<b>PROTECTION</b>	
Internal RCD	20mA CCID
Electrical Protection	Over current, over voltage, under voltage, residual current, surge protection, short circuit, ground fault, over temperature, plug-out protection
Upstream Breaker	In accordance with local regulations
Cold-Load Pickup	Randomized delay before charge resume after power failure
<b>USER INTERFACE</b>	
Status Indicator	Ready, Charge, Fault
Charger Configuration	Maximum charging current selected by hardware DIP switch
User Authentication	ISO/IEC 14443 RFID card reader
Metering	Embedded non-revenue grade meter with 1% accuracy
<b>COMMUNICATION</b>	
Network Interface	WLAN
Protocol	OCPP1.5S, OCPP1.6J

### Highlights



MODEL	EVMU
<b>ENVIRONMENT</b>	
Operating Temperature	-30 °C to +50 °C (-22 °F to +122 °F)
Storage Temperature	-40 °C to +80 °C (-40 °F to +176 °F)
Humidity	<95% relative humidity, non-condensing
Altitude	Up to 2,000 m (6,500 ft)
<b>MECHANICAL DESIGN</b>	
Ingress Protection	Type 3R
Enclosure Protection	IK08 according to IEC 62262
Cooling	Natural cooling
Charging Cable Length	5m or 7m
Dimension (W x H x D)	261 x 321 x 108 mm (12.6 x 10.3 x 4.3 inch) *
Weight	2kg (5lbs) *
Installation Options	Wall mounted, stand
Accessory	Stand
<b>REGULATION</b>	
Certificate	UL, cUL, UL 2594, UL 2231, UL 1998, UL 991, NEC Article 625

\* Excluding charging cable

### Mechanical Drawing

