

AC Charger



Charging Output
11 kW-22 kW

Connector Type
**IEC 62196-2 Type 2
SAE J1772**

Mechanical Protection
IP55, NEMA 3R / IK09

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



AC MAX

- Max. 22 kW AC platform to cater for diverse charging application requirements
- Low standby power consumption for energy-saving
- Compact design with robust enclosure for indoor and outdoor environment

*Please find the specific model for your regions.



Part Number	EIAW-U
Power	
Input / Output Rating	208-240 Vac, single phase, 48 A , 60 Hz
Wire	L1, L2, PE, hardwired with terminal block
Standby Power	< 7.6 W
Max. Output Power	11 kW
Charging Interface	SAE J1772
Protection	
Internal RCD	CCID20
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)
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	NEMA 3R
Enclosure Protection	IK09 according to IEC 62262
Cooling	Natural cooling
Charging Cable Length	7.62 m (25 ft)
Dimension (W x H x D)	218 × 371 × 167 mm (8.6 × 14.6 × 6.6 inch) excluding charging cable, mounting plate and cable holder
Weight*	7.1 kg (15.7 lbs), without package
Regulation	
Certificate / Compliance	UL, cUL, FCC Part 15 Class B, ENERGY STAR
Installation	
Accessory	Stand (optional)

Version	Smart
User Interface & Control	
Display	LED bar, 4 colors
Charger Configuration	Maximum charging current selected by hardware DIP switch
User Authentication	ISO/IEC 14443 RFID card reader, ISO 15118
Communication	
Network Interface	Bluetooth, Ethernet, WLAN, Cellular
Charging Protocol	OCPP 1.6J, upgradable to OCPP2.0
Metering	
Meter	meter IC

* Depends on model configuration.

Part Number	EIAW-E Basic	EIAW-E Smart
Power Input		
Nominal Current	16 A / 32 A	
Grid Connection	Three-phase electric power (L1, L2, L3, N, PE) All AC MAX models support both single phase and three phase installations	
AC Voltage	230 V / 400 V	
Frequency	50 Hz / 60 Hz	
Grounding Systems	TN, TT, IT	
Terminal	Terminal block	
Protection	Over current, Under voltage, Over voltage, Over temperature, Surge protection, Short circuit, Ground fault	
Standby Power	3.6 W	< 10 W
Charging Output		
Nominal Power	Three-phase: 11 kW / 22 kW	Three-phase: 11 kW / 22 kW
Nominal Current	16 A / 32 A per phase	
Connector Type	AC Type 2 Plug AC Type 2 Socket AC Type 2 Socket with shutter	
Charging Voltage	230 V / 400 V	
Cable Length	5 m (models with AC Type 2 Plug charging interface)	
Protection	RCD Type A (AC 30 mA), RDC-DD (DC 6 mA)	
Compliance	IEC 61851-1, IEC 62196-2, IEC61008-1, IEC 62955	
User Interface		
Display	Status LED, 4 colors	
Authentication	Key Switch and Smartphone App	RFID (ISO/IEC 1443 A/B), OCPP
Charger Configuration	Maximum charging current selectable by 8-step hardware DIP switch	
Network Interface		
Bluetooth		
Protocols and Applications	Configuration, control, monitoring and firmware update	
Cellular		
Cellular Technology	-	2G / 3G / 4G
SIM Card Format	-	Micro-SIM (15 mm x 12 mm)
Protocols and Applications	-	Backend Connection via OCPP 1.6 (tested with OCTT)
Local Area Network		
LAN Technology	-	Ethernet (RJ45) and WLAN
Protocols and Applications	ModBus RTU for energy management	Backend Connection via OCPP 1.6 (tested with OCTT), ModBus TCP for energy management
Mechanical Properties		
Ingress Protection (IEC 60529)	IP55	
Impact Protection (IEC 62262)	IK09	
Cooling	Natural convection	
Dimensions (W x H x D)*	218 × 371 × 167 mm (8.6 × 14.6 × 6.6 inch)	
Weight*	6.0 kg (13.3 lbs), including charging cable	
Environmental Conditions		
Operating Temperature Range	- 30 °C to + 50 °C (- 22 °F to + 122 °F)	
Storage Temperature Range	- 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)	
Compliance		
EU Low Voltage Directive	IEC 61851-1, IEC 62479	
EU EMI Directive	EN 61000-3-11 / -12, IEC 61851-21-2	

* Depends on model configuration.

Part Number	EIAW-T
Power	
Input / Output Rating	220 Vac, single phase, 48 A, 50-60 Hz
Wire	L1, L2, PE, hardwired with terminal block
Standby Power	7.6 W
Max. Output Power	11 kW
Charging Interface	CNS 15511-2
Protection	
Internal RCD	AC 30 mA
Electrical Protection	Over current, Under voltage, Over voltage, Over temperature, Surge protection, Short circuit, Residual current, Ground fault
Upstream Breaker	Install an external 220 V / 60 A circuit breaker certified by the Bureau of Standards, Metrology and Inspection
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
Storage Temperature	-40 °C to +80 °C
Humidity	< 95 % relative humidity, non-condensing
Altitude	Up to 2,000 m
Mechanical Design	
Ingress Protection	IP55
Enclosure Protection	IK09
Cooling	Natural cooling
Charging Cable Length	5 m
Dimension (W x H x D)	218 × 371 × 167 mm
Weight*	7.5 or 9.5 kg*, without package
Regulation	
Certificate / Compliance	BSMI VPC
Installation	
Accessory	Stand (optional)
User Interface & Control	
Display	LED bar, 4 colors
DIP Switch	Output Current Adjustment / Grounding System Setting
User Authentication	Mifare RFID Card Reader Compliant with ISO/IEC 14443 A/B
Communication	
Network Interface	Bluetooth, Ethernet, WLAN, Cellular
Charging Protocol	OCPP 1.6J, upgradable to OCPP2.0
Metering	
Meter	Embedded Meter

* Depends on model configuration.