POWER TECHNOLOGY

THE EV CHARGING COMPANY

# AC PREMIUM

## LEVEL 2 EV CHARGER




Modular by design.

Future-ready.

# Technical Specifications

## Product Information

| | |
|---|---|
| **Charging mode** | Mode 3 |
| **Input/output power rating and current** | 12kW (240V AC*50A)<br>Output amperage adjustable via mobile app, from 6A to 50A, support 16A,24A,32A,40A,48A,50A via dip switch |
| **Input/output voltage** | 208/240V AC 50/60Hz, support HiLeg Delta wiring configuration |
| **Input power connections** | L1, L2, Input power connections and Earth Ground |
| **Input cord** | Hardwired |
| **Connector type** | SAE J1772 or NACS |
| **Charging cable length** | 7.5m(25ft)/6m (19ft) |
| **Ground fault detection** | 20mA CCID |
| **Protection** | Overcurrent, overvoltage, undervoltage, integrated surge protection |
| **Card reader** | ISO 15693, ISO 14443 A/B, ISO18092 |
| **Metering accuracy** | ±1%, NTEP/CTEP Certified |
| **Vehicle communication** | ISO15118-2/20 |
| **Authentication methods** | Plug&charge, Autocharge, RFID, Third-party apps |

## General Characteristics

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|---|---|
| **Enclosure rating** | NEMA 3S, IK10 |
| **Operating altitude** | 2000m |
| **Operating temperature range** | -31 to 122°F (-35 to 50°C)<br>(Derate when above 113°F (45°C)) |
| **Storage temperature range** | -40°F ~ +158°F (-40°C ~ +70°C) |
| **Mounting** | Wall or floor using a pedestal (ADA) |
| **Dimensions (H×W×D)** | 12.4 x 6.7 x 4.6 inch (315 x 170 x 117 mm) |

## User Interface

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|---|---|
| **Status indication** | Digital tube + Leds Charge APP; |
| **User interface** | Power Technology OS |
| **Connectivity** | 4G, Wi-Fi, Ethernet, RS485, Wisun |
| **Communication protocols** | OCPP 1.6J, OCPP 2.0.1 |
| **Current control method** | APP, hardware DIP switch(Dial) |

## Software Update

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|---|---|
| **Software update** | OTA updates via web portal |

## Certification and Standard

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|---|---|
| **Safety standards** | UL 2594, UL 2231-1, UL 2231-2, UL 1998, CSA C22.2. NO.280 |
| **Codes and standards** | FCC Part 15 Class B , ENERGY STAR , NEC Article 625 |
| **Lifespan** | 10+ years |
| **Warranty** | 5 years<br>*The5-year warranty applies to thechargerbody only. A1-year warranty is applicable for charging cable and connector. |

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