



90kW Free Standing DC Fast Charger



Features

- Multi-Standard: CCS, CHAdeMO and GB/T ; Simultaneous DC Charging. Optional Fan Cooled 300A Charging Connector
- Network or Standalone Operation
- User Authentication
- Optional Cable Management Accessories
- Supports Smart Charging and Load Balancing
- Efficiency > 94%
- PF > 0.99 (APFC)
- Customization Available
- 7-inch LCD Screen with User Friendly Interface
- IK10 (Not including screen and RFID module), IP55, NEMA 3R
- OCPP 1.6 JSON (Upgradeable to 2.0)


Cable Management

Please refer to the accessory information.



Applications

- Parking Garages
- Commercial Fleet Operators
- EV Dealer Workshops
- EV Infrastructure Operators and Service Providers
- Gas/Service Stations

| Model Name | | DS90 Series |
|------------------------------|----------------------|--|
| Safety | | NRTL – cETLus (USA/Canada) |
| Picture | |  |
| Power Specification | | |
| AC Input | Input Rating | 3Φ_480Vac (+10%, -15%) |
| | AC Input Connection | 3P+N+PE (Wye configuration), TN/TT |
| | Max. Input Current | DC System: 3Φ116A |
| | Frequency | 50Hz/60Hz |
| | Power Factor | >0.99 |
| | Efficiency | >94% (at optimize V/I point) |
| DC Output | Output Voltage Range | CCS1:150~950Vdc CHAdeMO: 150~500Vdc |
| | Max. Output Current | CHAdeMO: 120A@500V CCS1: 200A@450V |
| | Max. Output Power | DC System: 90kW |
| | Voltage Accuracy | ±2% |
| | Current Accuracy | ±2% |
| User Interface & Control | | |
| Display | | 7" TFT-LCD |
| Push Buttons | | Operation Button/Emergency Stop Button |
| User Authentication | | RFID: Supports ISO 14443A/B, ISO 15693, FeliCa Lite-S (RCS966), OCPP, QR Code, Mobile App, & Optional Third Party Payment System |
| Communication | | |
| External | | Ethernet, Wi-Fi & 4G |
| Internal | | CAN bus / RS485 |
| Environmental | | |
| Operating Temperature | | -30°C~50°C (-22°F ~ +122°F) |
| Humidity | | 5%~95% RH, Non-Condensing |
| Altitude | | ≤ 2000m (6562ft) |
| IP/IK Level | | NEMA 3R IK10 (not including screen & RFID module) |
| Cooling Method | | Fan Cooling |
| Mechanical | | |
| Cabinet Dimension(W x D x H) | | 800mm x 650mm x 1900mm (31.50in x 25.59in x 74.80in) ±1% |
| Weight | | ≤ 390kg (860lbs) ±1% |
| Cable Length | | 4.5m (15ft)/Optional 7m (23ft) |
| Protection | | |
| Input Protection | | OVP, OCP, OPP, OTP, UVP, SPD |
| Output Protection | | OCP, SCP, OVP, LVP, OTP, IMD |
| Regulation | | |
| Certification | | UL 2202, UL2231, EnergyStar™ |
| Charging Interface | | CHAdeMO V1.2, DIN 70121, ISO15118, GB/T 27930 |