

50kW Multi-Standards DC Quick Charging station

Features

The CHR-50S is a quick charging station able to charge all compatible electric vehicles. Users only need to plug the charging connect to the vehicle and the CHR-60S will immediately start the charging process.

- Multiple output - Combo1 or 2, CHAdeMO, GB/T, AC type1 or 2
- Fast-charge any CCS, CHAdeMO, GB/T vehicle
- 0 to 80% in less than 0.5 hour
- Safe and intuitive to use
- Stationary IK10, IP54
- Emergency stop button
- Optional network integration (OCPP 1.6 JSON)
- Optional built-in communications (4G; LAN; Wi-Fi)
- Optional RFID reader
- 7 or 12 or 15 inch touch display
- Dynamic remote power control via modbus TCP

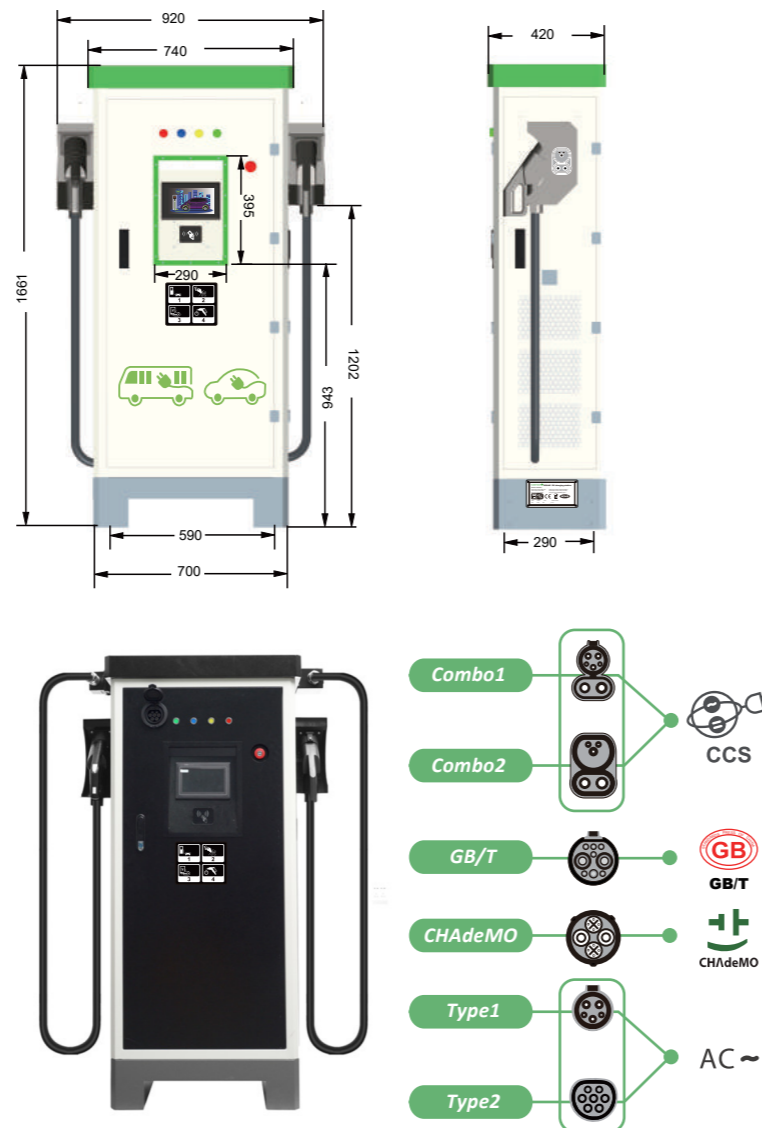
Application

- EV fleets (private and public)
- EV dealers and service providers
- Employee parking lots
- Car-share, Taxi and Rent-a-Car fleets
- Shopping Centers
- Private EV Infrastructure and operators



Main features

- Multi-standards all in one station
- Stand alone or network integrated charger
- Local or remote monitoring and control
- DC power up to 50 kW
- AC power up to 44 kW
- High power factor 0.99



Certification



Support car

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|----------|--|
| CCS: | BMW i3,VW e-golf&e-up, Jaguar ipace, Tesla model 3, Hyundai ioniq&kona,Audi e-tron, OPEL ampera e,Chevrolet bolt EV,Geely TX electric Taxi,Renualt new Zoe. |
| CHAdeMO: | Nissan leaf&NV200, KIA soul,CITROËN C-Zero&Berlingo,Peugeot iOn,Mitsubishi i-Mev&outlander,Geely TX electric Taxi,Zero Motorcycles,Tesla Model S(need adapter) |
| GB/T: | BYD,BAIC,Chery,Geely,Aion S,MG,XiaoPeng,JAC,Zotype etc. |

Specification

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|-----------------------|--|--|
| Category | 50kW | |
| Model Name | Multi -Standards DC Quick Charger | |
| AC Input | Input Rating | 380/480Vac ± 15% |
| | AC Input Connection | 3P + N + PE (Wye configuration) |
| | Max. Input Power | Single DC plug: 66kVA |
| | | AC 43kVA(optional) |
| | AC+DC serve at the same time: 43kVA+66kVA=109kVA | |
| | Frequency | 50 / 60 Hz |
| | Power Factor | >0.99 (APFC) |
| Efficiency | >95% at nominal output power | |
| DC Output | Output Voltage Range | 50~500Vdc (CHAdeMO) , 150~750Vdc (CCS) , 48~120Vdc (GB/T) |
| | Max. Output Current | Single Plug : 150A@400V, 120A@500V, 80A@750V, 1000V optional |
| | Max. Output Power | 50kW |
| | Voltage Accuracy | ± 1% |
| | Current Accuracy | ± 1% |
| User Interface | Display | 7" FT-LCD touchable screen(Android or Win CE), 12" or 15" optional |
| | Emergency Stop Control | Press emergency stop button isolation between input and output Manual release switch |
| | User Authentication | RFID |
| | Display Information | Charging process and status / Alarm and warning messages |
| Communication | External | 3/4G,WiFi and Ethernet |
| | Internal | CANBus / RS485/RS232 |
| Outline | LxWxH mm | 1661X920X420 |
| Protocol and standard | | CHAdeMO 2.0 / DIN 70121/ISO15118/IEC61851-23,IEC61851-24 |
| Electrical Isolation | | Isolation between input and output |
| Cooling | | Forced Air |
| Input Protection | | OVP,OCP,OPP,OTP,UVP,residual current detection,surge protect cabinet-open detection(rear door) |
| Output Protection | | short circuit protection,OCP,OVP,LVP,OTP,residual current detection |
| Noise | | <55dB |
| Protection | | IP54/IK10 |
| Net weight | | 153 kg |