

MF4 Series



Product Overview

Tecloman DC fast charging station can be equipped with 1 or 2 connectors, output power from 80kw to 200 kW. It can quickly connect your EV, and charge to 80% or more in about 30 minutes. Our DC fast chargers are compatible with all types of Electric Vehicles currently on the market with SAE J1772 plug standard.



APP, RFID charging control approval, with emergency stop function



Charging gun disconnected detection ensures safe charging



All the control system can be remotely or locally upgraded



Charging module separated from control system, stable and safe performance



Ip54, dustproof, waterproof and anti-corrosion



Constant power module and smart power allocation, high charging efficiency



Integrated Smart HMI: 7-inch high-contrast LCD touchscreen



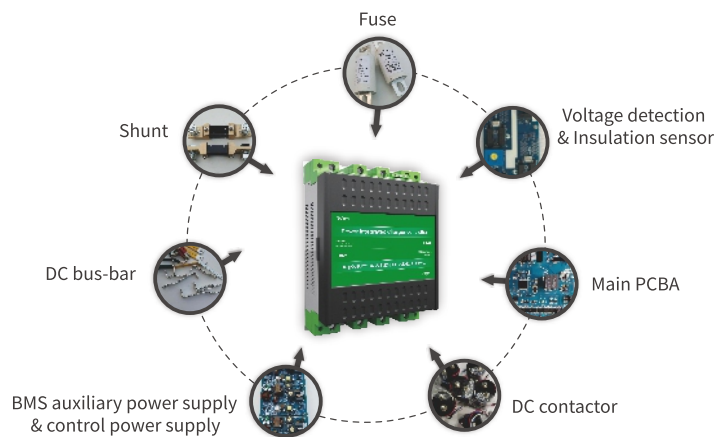
With the use of "Power Integrated Charger Controller" German PET patented technology, only 200 pcs of terminal blocks + 100 pcs wires internal, the difficulty of after-sales maintenance is greatly reduced.





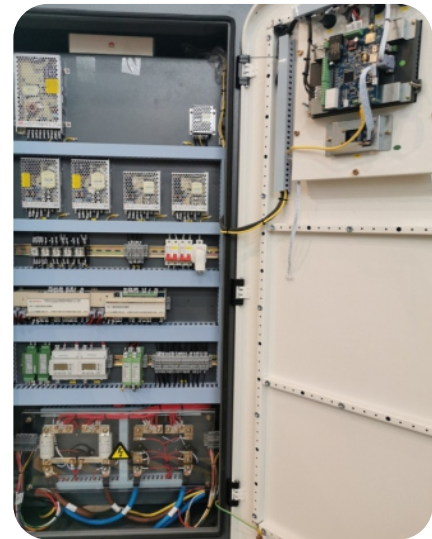
TECLOMAN INTEGRATED DC CHARGING STATION

- Integrated power controller
- Integrated Smart HMI
- power module
- 200 pcs of terminal blocks + 100 pcs wires



TRADITIONAL DC CHARGING STATION

- DC watt-hour meter
- Voltage detection transmitter
- Insulation detector
- Charging pile controller
- 24V/12V DCDC switching power supply
- AC/DC power supply module
- Relay, Contactor
- air switch
- DC vacuum contactor
- 600 pcs of terminal blocks+ 300 pcs wires





Maintenance of DC Charging Station with & without Power Controller:

1. Integrated controller maintenance less than 8 hours

- Failure occurs: The background directly judges the fault----2~4 hours
- Equipment needs to be replaced: Direct replacement of power controller----2~4 hours
- Device back up and running

2. Traditional breakdown repair 2-10 days in total

- Failure occurs: Maintenance personnel to the scene----1~2 days;
Determine the fault point----- 1~2 days
- Need accessories: Spare parts deliver---- 2~6 days; Repair and recover---1~2 days
- Device back up and running



OUR SERVICES

- OEM / ODM available.
- 24/7 online service
- Technical support
- Market analysis
- Enabling policy
- Find Partner: As the new star of the new energy industry, this dc charging station has a competitive advantage with a high-yield and low-risk worth investing in. As the top10 ev charger manufacturers in China, we sincerely invite agents/partners to cooperate in the long term to jointly R&D and share the market. Welcome to inquire!



| Power Specifications | | | |
|-------------------------------------|--|--------------------------|-----|
| Input AC Power Rating | 125kVA | | |
| Input Voltage Range | 400 VAC \pm 10%, 50/60 Hz (EU Version) 480 VAC \pm 10%, 50/60 Hz (North American Version) | | |
| Power Wiring | 3P+N+PE | | |
| DC Voltage Output | 150 ~ 1000VDC | | |
| Connector | CCS1+CCS1 / CCS2+CCS2 / CCS1+CCS2 | | |
| DC Power Output Rating | 120kW | | |
| The Maximum Output Current | 200A | | |
| PF(Power Factor) | $>$ 0.98 (Load \geq 50%) | | |
| THD-I | \leq 5% (400VAC input, Load \geq 50%) | | |
| Peak Efficiency | \geq 96% | | |
| Voltage Stabilized Accuracy | \leq \pm 0.5% | | |
| Current Stabilized Accuracy | \leq \pm 1% | | |
| Output Voltage Error | \pm 0.5% | | |
| Output Current Error | \leq \pm 1%(when output current \geq 30A); \leq \pm 0.3A(when output current $<$ 30A) | | |
| Ripple Factor | \leq \pm 0.5%(RMS) | | |
| Electric Energy Measurement Method | Measuring DC output electric energy | | |
| Connector Mechanical Operating Life | \geq 10000 times | | |
| User Interface & Control | | | |
| Charging Control | App, RFID | | |
| Human-Machine interface | 7" high-contrast touchscreen | | |
| Indicators | 4 LED indicators-Power/ Fault / Charging A / Charging B | | |
| Network interface | 3G / 4G / Ethernet (RJ45) | | |
| Communication Protocol | OCPP 1.6J | | |
| Environmental | | | |
| Storage Temperature | -40°C to 75°C | | |
| Operating Temperature | -20°C to 50°C, derating output in 55°C | | |
| Operating Humidity | Up to 95% non-condensing | | |
| Altitude | \leq 2000m | | |
| Cooling Method | Forced air cooling | | |
| Protection | | | |
| Over Voltage Protection | Yes | Short Circuit Protection | Yes |
| Over Load Protection | Yes | Ground Protection | Yes |
| Over-temp Protection | Yes | Surge Protection | Yes |
| Under Voltage Protection | Yes | Emergency Stop | Yes |
| Mechanical | | | |
| Protection Ratings | IP54 | | |
| Reference Dimension (W×D×H) | 980mm×600mm×1820mm | | |
| Equipment Weight | \leq 300kg | | |
| Enclosure Material | Metal | | |
| Color | RAL 7032 (Grey) | | |