GRESGYING

DC CHARGING STATION
120kW / 180kW

120/180kW DC CHARGING STATION
All-in-One Charging with Twin Outputs

City-Ready Deployment Design

Minimal deployment cost for city faster charging

- Charging up to 300A (180kW)
- Compact footprint (800mm*600mm) fits city spaces delivering faster charging
- Multiple network connection Ethernet (LAN), 4G & Wi-Fi
- Low standby power consumption 100W
- Real-time State of Charge (SOC) visibility enhances usability and load management during peak hours

Universal Compatibility

Futureproofing for long-term convenience and investment protection

- 150V-1000V DC output voltage, covering EV models for today and tomorrow
- ISO 15118 Plug & Charge ready and OCPP2.0.1

Cloud Based Intelligent Control

Proactive remote diagnosis & OTA upgrades minimizing downtime

- OCPP1.6J fully compliant
- Dynamic load management: Improves the charging experience and optimizes energy costs

120/180kW DC CHARGING STATION

Double the Connectors, Double the Returns - Urban Fast Charging Perfected

1125mm

600mm

1700mm

2025mm

800mm

600mm

- OCPP 1.6J fully compliant
- Cable management system (optional)
- Dynamic load management
- 95% charging efficiency
- Dynamic power distribution between 2 connectors
- Real-time SOC display
- APP, RFID card, QR code payment terminal (optional)
- Flexible hardware & software customization

TECHNICAL SPECIFICATIONS

Model				
Model number	F3-EU120-CC	F3-EU120-CJ	F3-EU180-CC300	F3-EU180-CJ
Rated power	120kW		180kW	

Input Parameters				
AC rated voltage	AC400V±10%			
AC rated current	184A		276A	
Maximum AC input current	205A		307A	
Rated frequency	50 / 60Hz			
Grid types	TN-S / TN-C-S / TT			
Grid connection	3P+N+PE			

Output Parameters				
Output options	CCS2x2	CCS2+CHAdeMO	CCS2x2	CCS2+CHAdeMO
DC output voltage range	DC150~1000V for CCS2	DC150~1000V for CCS2 DC150~500V for CHAdeMO	DC150~1000V for CCS2	DC150~1000V for CCS2 DC150~500V for CHAdeMO
Constant power range	DC300~1000V for CCS2	DC300~1000V for CCS2 DC300~500V for CHAdeMO	DC300~1000V for CCS2	DC300~1000V for CCS2 DC300~500V for CHAdeMO
DC output current	CCS2: 200A	CCS2: 200A CHAdeMO: 125A	CCS2: 300A	CCS2: 200A CHAdeMO: 125A

Electrical Parameters	
Peak efficiency	≥95%
Power factor (full load)	≥0.99
THDi	≤5%
Dynamic power distribution	Min. 30kW switch power

User Interface & Control			
User authentication	APP, RFID, QR code , MAC autocharge		
HMI	7 inch touch screen	10.1 inch touch screen	7 inch touch screen
Connectivity	Ethernet (LAN) / 4G (Sim Card Slot) / Wi-Fi		
Communication protocol	OCPP 1.6J		
Vehicle & charger communication	ISO 15118 / DIN 70121		

Mechanical Parameters		
Cable length	4.5m	
Dimension (WxDxH)	800mm×600mm×1700mm (product) 1150mm×755mm×1935mm (package)	
Weight	310kg (net); 390kg (gross)	355kg (net); 445kg (gross)
IP & IK rating	IP54, IK10 (screen IK08)	

Environmental Data	
Storage temperature	-40~70°C
Operating temperature	-25~50°C (50~65°C degrading)
Operating humidity	5%~95% (no condensation)
Altitude	≤2000m (2000~4000m degrading)
Cooling method	Forced air cooling
Optional	Payment terminal, cable management system
Certificate	CE, UKCA, RCM, RoHS, REACH

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