

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



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			
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℃			
Operating temperature	-25~50℃ (50~65℃ 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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