



Fast DC Charger



High Efficiency

- Intelligently distribute charging power to meet the charging needs of different EVs.
- Support EMS intelligent dynamic power control, and form an integrated PV-ESS-EV Solution.



Assured Safety

- Safe and reliable, with multiple fault protection.
- Equipped with cable management system to enhance user experience.



Intelligent Design

- Support OCPP1.6J protocol to access third-party operation platform.
- Support multiple network communication (Ethernet / Wi-Fi / 4G).
- Integrated smart HMI: 12.1-inch high-contrast LCD.



Flexible Adaptability

- All-in-one design, easy and quick installation, compact and lightweight structure can be flexibly installed in various positions.
- The voltage range of 200-1000V is suitable for all current mainstream charging scenarios.

	FDC-120-EU	FDC-180-EU	FDC-240-EU	FDC-300-EU	FDC-360-EU
AC NOMINAL INPUT					
Earthing system	TN-S / TT				
Voltage	400V ± 15%				
Current	185 A	277 A	369 A	461 A	553 A
Frequency	50 / 60Hz				
DC NOMINAL OUTPUT					
Voltage	200 V ~ 1000 V				
Current	Max.250 A (350 A optional)				
Power	120 kW	180 kW	240 kW	300 kW	360 kW
BASIC ATTRIBUTES					
Charge connector	Dual (CCS2 + CCS2)				
Cable length	5m (Including length of the charging connector)*				
Enclosure	Galvanized steel				
Installation method	Floor mounted				
INTERFACE & COMMUNICATION					
HMI	12.1-inch touch screen with shell				
Language	English (standard) other languages available by firmware upgrade				
Authentication	QR code / RFID card /Password login				
DC meter	CE certified DC meter standard equipped (MID meter optional)				
POS terminal	Optional				
Cable management system	Yes				
Communication interface	Ethernet / 4G / Wi-Fi				
Protocol	OCPP 1.6 J				
ELECTRICAL PARAMETER					
Efficiency	≥ 95% @Nominal output power				
Power factor	≥ 0.99 (50% load above)				
THDi	< 5%				
Standby self-consumption	≤100 W				
Ripple factor	≤ ±5%				
SAFETY					
RCD	Type A				
Emergency stop	Yes				
Enclosure ratings	IP54				
Impact protection	IK10 for shell, IK08 for screen				
Electrical protection	Over current, Under voltage, Residual current, Surge protection, Leakage protection, Short circuit, Over temperature, etc				
EVSE-vehicle protocol	DIN SPEC 70121,ISO 15118				
Certifications	CE / CB				
Certifications standard	IEC61851 2017, IEC 62196-1,IEC 62196-3, etc				
OPERATION ENVIRONMENT					
Cooling method	Air-cooling				
Noise	≤ 65 dB (A) @ 1 m / 25 °C				
Operation temperature	-25 ~ 55 °C (Derating above ambient temperature 55°C)				
Working humidity	5 % ~ 95 % without condensation				
Working altitude	≤ 2000 m				
GENERAL					
Weight	400 kg	480 kg	530 kg	570 kg	610 kg
Dimensions (W × H × D)	750 × 2000 × 600 mm	750 × 2000 × 600 mm	830 × 2050 × 740 mm	830 × 2050 × 740 mm	830 × 2050 × 740 mm

*The cable length can be customized.