



# 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	FDC-180	FDC-240	FDC-300	FDC-360
<b>AC NOMINAL INPUT</b>					
Earthing system	TN-S / TT				
Voltage	400V ± 15%				
Current	185 A	277 A	369 A	461 A	553 A
Frequency	50 / 60Hz				
<b>DC NOMINAL OUTPUT</b>					
Voltage	200 V ~ 1000 V				
Current	Max.250 A (350 A optional)				
Power	120 kW	180 kW	240 kW	300 kW	360 kW
<b>BASIC ATTRIBUTES</b>					
Charge connector	Dual ( CCS2 + CCS2)				
Cable length	5m (Including length of the charging connector)*				
Enclosure	Galvanized steel				
Installation method	Floor mounted				
<b>INTERFACE &amp; COMMUNICATION</b>					
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	MID meter standard equipped				
POS terminal	Optional				
Cable management system	Yes				
Communication interface	Ethernet / 4G / Wi-Fi				
Protocol	OCPP 1.6 J				
<b>ELECTRICAL PARAMETER</b>					
Efficiency	≥ 95% @Nominal output power				
Power factor	≥ 0.99 (50% load above)				
THDi	< 5%				
Standby self-consumption	≤100 W				
Ripple factor	≤±0.5%				
<b>SAFETY</b>					
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				
<b>OPERATION ENVIRONMENT</b>					
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				
<b>GENERAL</b>					
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.