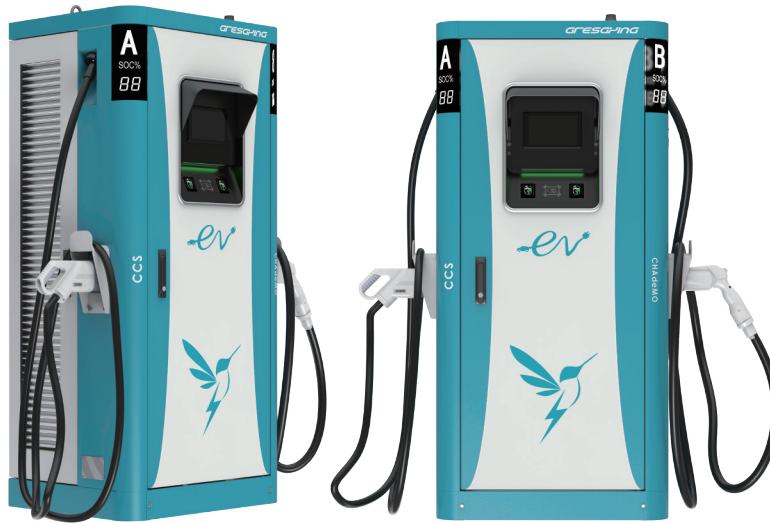# 120KW EUROPEAN STANDARD DC CHARGER

PRODUCT INTRODUCTION

120kW European standard DC charger can provide DC fast charging service with both European standard (CCS2) and Japanese standard (CHAdeMO). This product integrates functions of charging module, charging control, metering and billing, active HMI and communication. It can monitor real−time charging state and progress, and provide safe, reliable and efficient charging service.

PRODUCT ADVANTAGES

SAFE AND RELIABLE

- All aluminum Z−shaped shutter patented technology, 50ppi, compact, dust−proof, high dynamic protection.
- Charging module glue filling technology, wind and sand resistance,salt fog resistance,environmental adaptability.
- The equipment control and power components are designed in different compartments with high reliability.
- Intelligent security guard, real−time monitoring of dynamic data, high charging safety.

STRONG PERFORMANCE

- Maximum charging efficiency up to 95%, which improves the operation efficiency.
- Low standby power consumption and low operation cost.
- Dynamic power distribution to improve equipment utilization.
- Wide constant charging power range, 100% fast charging for all types of electric vehicles.

SMART AND FRIENDLY

- Intelligent equipment management, supporting online status diagnosis and OTA remote upgrade.
- Streamlined design, clear display of SOC status and charging progress.
- With sunshade protection, cold light assistance and QR code embedded design, can stay as clean as new after wind and rain.

TECHNICAL SPECIFICATIONS

Model	Model	F3-EU	
	Rated power	120kW	
Input parameters	Input AC power rating	127.6 kVA @ 50/60Hz	
	Input voltage range	AC323V ~ AC437V	
	Input AC current（max）	228A	
	Network types	TN-S, TN-C, TN-C-S, TT	
	Connector types	3P + N + PE	
Output parameters	Number of EV served	Up to 2(CCS2 and CHAdeMO each)	
	Output options	CCS2	CHAdeMO
	DC output voltage range	DC200~750V	DC200~500V
	Output current	200A	125A
Other specifications	Peak efficiency	≥95%	
	Power factor (full load)	≥0.99	
	Electro-Magnetic Compatibility	Comply with IEC 61851-21-2:2018	
	THDi	≤5%	
	User authentication	APP、RFID	
	User interface	7-inch touch LCD	
	Connectivity	4G/Ethernet	
	Communication protocols	OCPP 1.6J	
	Cable length	4.5m	
	Dimensions	800mm*600mm*1700mm（W*D*H）	
	Mass	300kg	
	IP and IK rating	IP54 and IK10	
	Work environment	-20~50℃(50~65℃ Power derating); 5%~95% (No condensation)	
	Operational altitude	2000m（2000~4000m Power derating）	