

DC Integrated EV Charger

SmartDC  
120~240kW

SmartDC 120~240kW integrated charger is an integrated EV charger providing 120~240kW DC output with two connectors.

The SmartDC station designed for rapid, reliable EV charging 120~240kW is a high-performance DC fast charging. With built-in AC to DC conversion using a 400V AC (±10%) three-phase input, it delivers faster energy transfer directly to vehicle batteries.

As a Level 3 charger, it features dual-port flexibility with either CHAdeMO + CCS2 or dual CCS2 connectors, allowing two EVs to charge simultaneously with dynamic power sharing. Housed in a durable IP54-rated enclosure, it is ideal for diverse installation environments, from highway service areas and fleet depots to commercial parking facilities and public charging stations.



Technical Specifications

SmartDC 120kW		SmartDC 180kW		SmartDC 240kW	
ELECTRICAL SPECIFICATION					
Power Supply	3P+N+PE				
Rated Voltage	380V/400V/415 AC				
Rated Current	192A	273A		365A	
Frequency	50/60Hz				
Output Voltage	200~1000V DC				
Maximum Output Current	0-250A				
BASIC ATTRIBUTES					
Charge Connector	2*CCS2, CCS1, GB/T, CHAdeMO (Customizable)				
Cable Length	5m (Customizable)				
Enclosure	Galvanized Steel				
Installation	Floor Installation				
INTERACTIVE INTERFACE					
LED Indicator	Green/Yellow/Red				
LCD Display	TFT Color Touch Display 7"				
RFID Reader	Mifare ISO/IEC 14443A				
Start Mode	Plug&Play/App/RFID Card				
COMMUNICATION					
Wi-Fi	Optional				
Ethernet	Yes				
4G	Optional				
OCPP	OCPP1.6Json (OCPP2.0 Upgradable)				
SAFETY					
RCD	Type A				
Emergency Stop	Yes				
Ingress Protection	IP54				
Impact Protection	IK08				
Electrical Protection	Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Surge Protection, Over/Under Voltage Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection				
Certification	CE				
Warranty	2 Years				
WORKING ENVIRONMENT					
Cooling Method	Fan Cooling				
Noise	≤65dB				
Operation Temperature	-30°C ~+50°C				
Work Humidity	5%~95%				
Work Altitude	<2000m				
MECHANICAL					
Product Dimension	820x720x1800mm (WxDxH)				
Net Weight	320.0kg				
External Package	Wood Case				

Highlights



**High power capacity**  
Power output up to 240kW flexibly distributed to two connectors



**Fast charging**  
250A cable supports charging an EV from 20% to 80% SOC within 30min



**Cable management**  
Cable management device provided making charging process easier and protect the cables



**Dynamic load distribution**  
Power distributed to two connectors controlled by algorithm realizes intelligently EV charging



**HMI with good user experience**  
High resolution large LCD touch screen with audio function



**Easy for maintenance**  
Modular design saves maintenance time and OTA update is available