

DC Integrated EV Charger

SmartDC
320~480kW

SmartDC 320~480kW integrated charger is an integrated EV charger providing 320~480kW DC output with two connectors.

Lightning-Fast Charging: Recharge your EV in as little as 15 minutes perfect for a quick coffee or lunch break.

Modular High-Speed Technology: Proprietary modules accelerate charging performance for maximum efficiency.

Universal Compatibility: Seamlessly works with most EV brands thanks to support for major communication protocols.

Heavy-Duty Capability: Delivers up to 480 kW per unit, making it ideal not just for cars, but also for trucks, buses, and industrial fleets.

Smart Power Allocation: Dynamically distributes power based on real-time battery SOC when multiple vehicles are connected maximizing efficiency and protecting battery health.

Built for Commercial Demands: Designed for high-traffic environments like transit hubs, logistics centers, and highway rest stops.



Technical Specifications

SmartDC 320kW					SmartDC 360kW	SmartDC 400kW	SmartDC 480kW
ELECTRICAL SPECIFICATION							
Power Supply		3P+N+PE					
Rated Voltage		380V/400V/415 AC					
Rated Current		512A	576A		640A		768A
Frequency		50/60Hz					
Output Voltage		200~1000V DC					
Maximum Output Current		300A	300A		300A		500A
BASIC ATTRIBUTES							
Charge Connector		2*CCS2	2*CCS2		2*CCS2		2*CCS2 (Liquid Cooling Cable)
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		1030x770x1950mm (WxDxH)					
Net Weight		410.0kg	430.0kg		450.0kg		480.0kg
External Package		Wood Case					

Highlights



High power capacity
Power output up to 480kW flexibly distributed to two connectors



Fast charging
500A cable supports charging an EV from 20% to 80%soc within 10min



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