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

Cable Length Sm (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 WiFT WiFT Optional Ethernet Yes 4G Optional OCPP OCPP1.6Json (OCPP2.0 Upgradable) SAFETY RED REmergency Stop Type A Impact Protection IP54 Impact Protection IK08 Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Surge Protection, Over/Under Voltage Trequency Protection, Over/Under Tremperature Protection Cettification CE Warranty 2 Years WORKING ENVIRONMENT Cooling Method Fan Cooling Noise \$65dB Operation Temperature 30°C~+50°C Work Humidity \$8~95%		SmartDC 320kW	SmartDC 360kW	SmartDC 400kW	SmartDC 480kW	
Rated Voltage	ELECTRICAL SPECIFICATION		'		•	
Rated Current	Power Supply	3P+N+PE				
Supply S	Rated Voltage	380V/400V/415 AC				
Output Voltage 200~1000V DC Maximum Output Current 300A 300A 300A 500A BASIC ATTRBUTES Charge Connector 2°CCS2	Rated Current	512A	576A	640A	768A	
Maximum Output Current 300A 300A 300A 500A BASIC ATTRIBUTES	Frequency	50/60Hz				
PASIC ATTRIBUTES	Output Voltage	200~1000V DC				
Charge Connector 2*CCS2 2*CCS2 2*CCS2 2*CCS2 (Liquide Cooling Cabe Cable Length Cable Length 5m (Customizable) Enclosure Galvanized Steel Installation Floor Installation Installation <td col<="" td=""><td>Maximum Output Current</td><td>300A</td><td>300A</td><td>300A</td><td>500A</td></td>	<td>Maximum Output Current</td> <td>300A</td> <td>300A</td> <td>300A</td> <td>500A</td>	Maximum Output Current	300A	300A	300A	500A
Cable Length Sm (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 WiFT WiFT Optional Ethernet Yes 4G Optional OCPP OCPP1.6Json (OCPP2.0 Upgradable) SAFETY RED REmergency Stop Type A Impact Protection IP54 Impact Protection IK08 Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Surge Protection, Over/Under Voltage Trequency Protection, Over/Under Tremperature Protection Cettification CE Warranty 2 Years WORKING ENVIRONMENT Cooling Method Fan Cooling Noise \$65dB Operation Temperature 30°C~+50°C Work Humidity \$8~95%	BASIC ATTRIBUTES				<u>'</u>	
Final State Galvanized Steel	Charge Connector	2*CCS2	2*CCS2	2*CCS2	2*CCS2 (Liquid Cooling Cable)	
Installation Floor Installation Floor Installation INTERACTIVE INTERFACE	Cable Length	5m (Customizable)				
INTERACTIVE INTERFACE LED Indicator CD 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 IPS4 Impact Protection Over Current Protection, Residual Current Protection, Sort Cir cuit Protection, Over/Under Temperature Protection, Over/Under Temperature Protection Certification CE Warranty OREN SAFETY ROP Certification CE Warranty Over Current Protection Fia Cooling Noise Operation Fan Cooling Noise Operation Fan Cooling Noise Operation Temperature 30°C + 50°C Work Humidity SW-95% Work Altitude Product Dimension Net Weight 410.0kg 430.0kg 450.0kg 480.0kg	Enclosure	Galvanized Steel				
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 Optional 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 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 WOKKING ENVIRONMENT Cooling Method Fan Cooling Noise \$65dB Operation Temperature -30°C ~+50°C Work Humidity 5%–95% Work Humidity 5%–95% Work Altitude ~2000m MECHANICAL Product Dimension<	Installation	Floor Installation				
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 COPP OCPP1.6Json (OCPP2.0 Upgradable) SAFETY SAFETY RCD Type A Emergency Stop Yes Ingress Protection IP54 Impact Protection IK08 Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Electrical Protection Over Current Protection, Over/Under Protection, Over/Under Fre quency Protection, Certification CE Warranty 2 Years WORKING ENVIRONMENT Fan Cooling Cooling Method Fan Cooling Noise ≤65dB Operation Temperature -30°C →450°C Work Humidity 5%→95% Work Altitude <2000m MECHANICAL Product Dimension 1030x770x1950mm (WxDxH) Net Weight 410.0kg 430	INTERACTIVE INTERFACE	-				
RFID Reader Mifare ISO/IEC 14443A	LED Indicator	Green/Yellow/Red				
Start Mode Plug&Play/App/RFID Card COMMUNICATION Wi-Fi Optional Ethernet Yes 4G Optional OCPP OCPP1.6Json (0CPP2.0 Upgradable) SAFETY RCD Type A Emergency Stop Yes Ingress Protection IP54 Impact 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 Fan Cooling Cooling Method Fan Cooling Noise 455dB 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	LCD Display	TFT Color Touch Display 7"				
COMMUNICATION Wi-Fi Optional Ethernet Yes 4G Optional OCPP OCPP1.6 Json (OCPP2.0 Upgradable) SAFETY RCD Type A Emergency Stop Yes Ingress Protection IP54 Impact Protection Electrical Protection Certification Cert	RFID Reader	Mifare ISO/IEC 14443A				
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 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 2 Years WORKING ENVIRONMENT Cooling Method Fan Cooling Noise \$656B 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	Start Mode					
Ethernet	COMMUNICATION	1				
4G Optional OCPP OCPP1.6Json (OCPP2.0 Upgradable) SAFETY RCD Type A Emergency Stop Yes Ingress Protection IK08 Impact 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 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	Wi-Fi	Optional				
OCPP OCPP1.6Json (OCPP2.0 Upgradable) SAFETY RCD Type A Emergency Stop Yes Ingress Protection IP54 Impact Protection IK08 Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection Certification CE Warranty 2 Years WORKING ENVIRONMENT Fan Cooling Cooling Method Fan Cooling Noise <65dB	Ethernet					
SAFETY RCD Type A Emergency Stop Yes Ingress Protection IP54 Impact Protection IK08 Certification Certification Certification Method Solution Method Soluti	4G					
RCD Type A Emergency Stop Yes Ingress Protection IP54 Impact Protection IK08 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	OCPP	OCPP1.6Json (OCPP2.0 Upgradable)				
Emergency Stop Yes Ingress Protection IP54 Impact Protection IK08 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 \$42000m MECHANICAL Product Dimension 1030x770x1950mm (WxDxH) Release And Current Protection IP54 IK08 Over Current Protection, Residual Current Protection, Short Cir cuit Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection CE Warranty 2 Years WORKING ENVIRONMENT Cooling Method Fan Cooling Sebage Sebage Operation Temperature 30°C ~+50°C Work Humidity Sebage Sebage Versum Protection, Over/Under Temperature Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection Operation Temperature Protection Temperature Protection Operation Temperature Protection Operation Temperature Protection Temperature Protection Temperature Protectio	SAFETY		·			
Ingress Protection IP54 Impact Protection IK08 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 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	RCD	Type A				
Impact Protection IMO8 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 Cetification CE Warranty 2 Years WORKING ENVIRONMENT Cooling Method Fan Cooling Noise 565dB Operation Temperature 7-30°C ~+50°C Work Humidity 5%~95% Work Altitude 42000m MECHANICAL Product Dimension 1030x770x1950mm (WxDxH) Net Weight 410.0kg 430.0kg Average Protection, Residual Current Protection, Short Cir cuit Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection, Over/Under Temperature Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection CE Warranty 2 Years WORKING ENVIRONMENT Fan Cooling 500	Emergency Stop	Yes				
Impact ProtectionIK08Belectrical ProtectionOver Current Protection, Residual Current Protection, Short Cir cuit Protection, Surge Protection, Over/Under Fre quency Protection, Over/Under Temperature ProtectionCertificationCEWarranty2 YearsWORKING ENVIRONMENTCooling MethodFan CoolingNoise≤65dBOperation Temperature-30°C ~+50°CWork Humidity5%~95%Work Altitude<2000m	Ingress Protection	IP54				
Electrical Protection Surge Protection, Over/Under Voltage Protection, Over/Under Fre quency Protection, Over/Under Temperature Protection CE Warranty 2 Years WORKING ENVIRONMENT Cooling Method Fan Cooling Noise 565dB Operation Temperature Over/Under Temperature Fan Cooling Fan Cooling Noise 565dB Operation Temperature 50°C ~+50°C Work Humidity 5%~95% Work Altitude 5000m MECHANICAL Product Dimension 1030x770x1950mm (WxDxH) Net Weight 410.0kg 430.0kg 480.0kg		IK08				
Warranty 2 Years WORKING ENVIRONMENT Fan Cooling Cooling Method Fan Cooling Noise ≤65dB Operation Temperature -30°C ~+50°C Work Humidity 5%~95% Work Altitude <2000m	Electrical Protection	Surge Protection, Over/Under Voltage Protection, Over/Under Fre quency Protection,				
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	Certification	CE				
Cooling Method Fan Cooling Noise ≤65dB Operation Temperature -30°C ~+50°C Work Humidity 5%~95% Work Altitude <2000m	Warranty	2 Years				
Noise ≤65dB Operation Temperature -30°C ~+50°C Work Humidity 5%~95% Work Altitude <2000m	WORKING ENVIRONMENT					
Noise ≤65dB Operation Temperature -30°C ~+50°C Work Humidity 5%~95% Work Altitude <2000m	Cooling Method	Fan Cooling				
Work Humidity 5%~95% Work Altitude <2000m						
Work Altitude <2000m MECHANICAL Product Dimension Product Dimension 1030x770x1950mm (WxDxH) Net Weight 410.0kg 430.0kg 450.0kg 480.0kg	Operation Temperature	-30°C ~+50°C				
Work Altitude <2000m MECHANICAL Product Dimension 1030x770x1950mm (WxDxH) Net Weight 410.0kg 430.0kg 450.0kg 480.0kg	Work Humidity	5%~95%				
MECHANICAL Product Dimension 1030x770x1950mm (WxDxH) Net Weight 410.0kg 430.0kg 450.0kg 480.0kg		<2000m				
Net Weight 410.0kg 430.0kg 450.0kg 480.0kg						
Net Weight 410.0kg 430.0kg 450.0kg 480.0kg	Product Dimension	1030x770x1950mm (WxDxH)				
	Net Weight	410.0kg			480.0kg	
Troop dongs	External Package		Wood Case			

Highlights







Cable management

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



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



Ovnamic load distribution

Power distributed to two connectors controlled by algorithm realizes intelligently EV charging



Easy for maintenance

Modular design saves maintenan