NewTrend Split DC EV Charging System

Floor-Mounted

720kW



Datasheet

SHANGHAI NEWTREND ELECTRIC

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SDC720 Series | 720kW Split DC EV Charging System

Product Overview

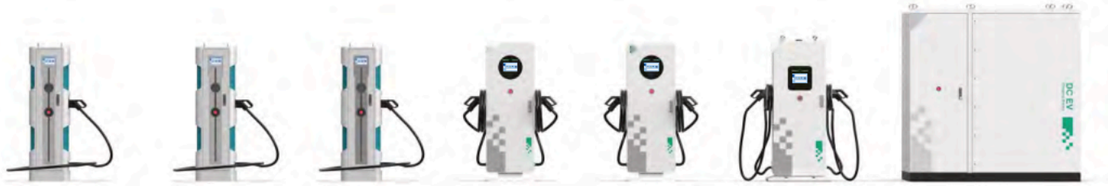
The Split EV charger integrates a rectifier cabinet and charging terminal, offering efficient charging with capacities up to 720kW. The charging terminal has a maximum power of 500kW. **The rectifier cabinet can be flexibly matched with 1 gun terminal and 2 guns terminal, supporting up to 9 guns output.** Equipped with **ordinary guns or liquid cooled guns** and OCPP 1.6J compliance, it ensures seamless connectivity, while the user-friendly interface includes a 7-inch LCD screen and LED lights for enhanced usability, as well as comprehensive full protection features. Enjoy convenient app control and Ethernet/4G/ WiFi connection, and charge your EV confidently and efficiently!



Product Advantages

- Independent Duct
- IP55 Rating
- 4G — Ethernet/4G/WiFi
- Full Protection
- OCPP 1.6J
- 7-inch Touch Screen
- RFID
- APP Control

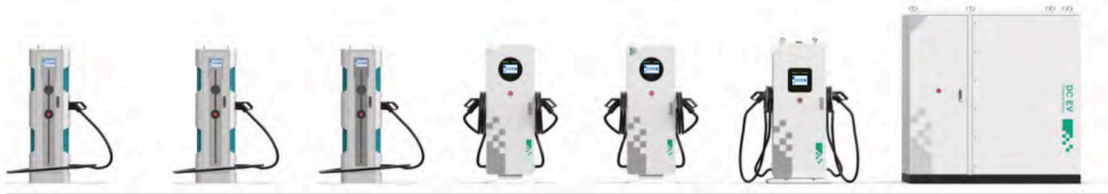
Model Selection

DC EV Charging Station	SDC720-250D1	SDC720-250D2	SDC720-250D3
			
Structure Description			
Shell Material	Galvanized Sheet		
Rectifier Cabinet Dimension	2100*1210*2110(L*W*H mm)		
Charging Temminal Dimension	600*230*1700(L*W*H mm)		
Rectifier Cabinet Weight	≤1100kG		
Charging Temminal Weight	≤90/110/120KG		
Installation Method	Floor-Stand Type		
Cable Routing	Bottom Inlet Wiring,Bottom Outlet Wiring		
Charging Outlets	Double(CCS1+CCS1) Double (CCS1+CHADEMO) Double(CCS2+GBT) Double(CHADEMO+CHADEMO) Double(CCS2+CCS2) Single (CCS1/CCS2/GBT/CHADEMO/NACS)	Double (CCS2+CHADEMO) Double(CHADEMO+GBT) Double(CCS1+CCS2) Double(CCS1+GBT) Double(GBT+GBT)	Double (CCS1+NACS) Double(CCS2+NACS) Double(GBT+NACS) Double(CHADEMO+NACS) Double(NACS+NACS)
Connectivity Authorization	RFID, App		
Total length of gun cable	5m		
Screen	7 Inch LCD Screen/LED Light		
Electrical Specification			
AC Input Voltage	AC380V-415V, 3P+N+PE		
Rated Input Current	1223A		
Input Frequency	50Hz/60Hz		
Consumption	≤12W		
Rated Power	720kW		
Output Voltage Range	CCS1/CCS2/GBT/NACS: 150Vdc –1000Vdc;CHADEMO: 150Vdc –500Vdc		
Output Current	CCS1/CCS2/GBT/NACS:0~250A;CHADEMO:0~125A CCS2:0~500A(Liquid Cooling)		

Efficiency	⩾95%
Power Factor	≥0.98(load:100%)
Functionate Design	
User Interface	Emergency Stop Button,LED Indicator,Card Swiping,Touch Screen
Charging Stands	EN IEC 61851-1: 2019, IEC 61851-1: 2017 EN 61851-23: 2014, IEC 61851-23: 2014, EN 61851-24: 2014, IEC 61851-24: 2014, EN IEC 61000-6-2: 2019, EN IEC 61000-6-4:2019, EN IEC 61851-21-2: 2021
communication	
OCPP	OCPP 1.6J
Network Interface	Ethernet/4G/WiFi
RF Parameters	
LTE-FDD Operating Frequency	B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28
LTE-TDD Operating Frequency	B38/B39/B40/B41
UMTS Operating Frequency	B1/B2/B4/B5/B6/B8/B19
MIFARE Operating Frequency	13.56MHz±7K
2.4G WI-FI Operating Frequency	2412MHz-2484MHz
2.4G WI-FI Maximum Transmit Power	20.5 dBm
WCDMA Maximum Transmit Power	24 dBm +1/-3 dB
LTE-FDD Maximum Transmit Power	23 dBm±2 dB
LTE-TDD Maximum Transmit Power	23 dBm±2 dB
MIFARE Maximum Transmit Power	14.05dBuA/m
Environment Condition	
Application Place	Indoor/Outdoor
Working Altitude	<2000m
Storage Temperature	-30°C~+85°C
Working Temperature	-30°C~+50°C
Working Humidity	5%~95%
Protection Level	IP55 IK10(Screen IK08)
Natural Cooling	Forced-air Cooling(Independent Duct)
Security Design	Over/Under Voltage Protection, Overload Protection, Current Leakage Protection, Grounding Protection, Over Temp Protection, Lightening Surge Protection

Model Selection

DC EV Charging Station	SDC720-250D4	SDC720-250D5



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Shell Material	Galvanized Sheet		
Rectifier Cabinet Dimension	2100*1210*2110(L*W*H mm)		
Charging Temminal Dimension	600*230*1700(L*W*H mm)		
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Charging Temminal Weight	≤90/110/120KG		
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