Solar Energy

YCDC1 DC Dual-Gun EV Charging Station



General

This floor-mounted DC charging pile is a high-power DC charging device for new-energy electric vehicles. It meets the DC-charging requirements of various new-energy passenger and commercial vehicles, and can be widely deployed in public charging stations, industrial parks, logistics bases and other scenarios.

Equipped with a 7-inch multi-touch display screen with multi-language support, the unit is suitable for export to multiple regions and delivers intuitive, user-friendly human-machine interaction. A standard emergency-stop button is fitted to quickly cut off power output in case of emergency, protecting both equipment and personal safety. It supports two activation modes: card swiping and mini-program QR-code scanning. Simple to operate, it satisfies billing-management requirements for public-operation scenarios.

The whole machine complies with EN 61851, EN 61851.

Type designation

YCDC1-CCS2-60
YCDC1-CCS2-80
YCDC1-CCS2-90
YCDC1-CCS2-100
YCDC1-CCS2-120

Company Code	Product Series	Product Standard	Power Supply
YC	DC1	CCS2	60
Company Code	DC1-DC2-DC3..... Dual-Gun DC Charging Station Series	CCS1:US Standard Plug CC2:European Standard Plug GBT:Chinese Standard	60Kw 80Kw 90Kw 100Kw 120Kw

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Technical data

Model No.	YCDC1-CCS2-60	YCDC1-CCS2-80	YCDC1-CCS2-90	YCDC1-CCS2-100	YCDC1-CCS2-120
Power	60kW	80kW	90kW	100kW	120kW
Connector Standard	CCS2				
Input Voltage	380V(-25%, +25%)				
Frequency	50Hz				
Output Voltage	50V-1000VDC				
Cable Length	5m				
Ingress Protection Rating / IP Rating	IP54				
Power Allocation	Average Power Allocation				
Power Factor	≥0.99				
Peak Efficiency	95.5%				
Overall Efficiency	94%				
Auxiliary Power Supply	12V				
Soft-start Delay	3-8s				
Output Voltage Error	≤±0.5%				
Input Current Error	≥30A, ≤±1%;<30A, ≤±0.3A				
Voltage Accuracy	≤0.5%				
Current-stabilizing Accuracy	≤1%				
Voltage Ripple	≤1%				
Current Sharing	≤5%				
Load Regulation	≤1%				
Insulation Resistance	≥10MΩ				
Withstand Voltage	AC2500V				
Total Harmonic Distortion-THD	≤5%				
Temperature	≤95%				
Operating Temperature	-35°C~+55°C				
Altitude	<2000 m (Custom-made required for altitudes above 2000 m)				
Display Screen	7-inch Touch Screen (Multi-language built-in)				
Emergency-stop Button	Standard				
Activation Mode	Card Swiping / Mini-program QR-code Scan				
Installation Type	Floor-mounted				
Overall Dimensions	700mm400mm1870mm(L*W*H)				