



POWER SOLID

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DISTRIBUTED DC FAST CHARGER

PSDCC360-720KWKR

360-720 KW



THE CROWN OF POWER SOLUTIONS

Features

► **Compact Terminal:**

The charging terminal occupies a small area and is easy to install;

► **Wide Voltage Range:**

Output voltage range is DC200-1000V, suitable for all new energy vehicles on the market;

► **High Charging Efficiency:**

Max efficiency is up to 96%, improving the operation efficiency;

► **Flexible Configuration:**

The number of charging connector ranges from 1 to 12;

► **Metering Accuracy:**

Measuring accuracy can meet Level 1.0;

► **Various Start-Up Methods:**

Card swiping, code scanning and Bluetooth can be used to start-up the device;

► **Remote Upgrade Function:**

Support the functions of remote start/stop, remote upgrade and remote rate setting;

► **Complete Protection Functions:**

Over-voltage protection, over-temperature protection, over-current protection, short circuit protection, leakage protection, lightning surge protection, etc;

► **Active Protection Function:**

Real-time monitors BMS data abnormalities, battery overheating, battery reverse connection, battery overcharging, and other dynamic data, actively protecting and ensuring the safety of the battery;

► **Power Sharing:**

A charging module can be shared to any connector;

► **Various Communication Modes:**

Support Ethernet and wireless 4G communication, upload charging information, independent isolation design, strong anti-interference;

► **Modularized Design:**

Charging module adopts modular design. It's easy to be operated, expanded and maintained;

► **Intelligent Speed Regulation:**

Cooling fan can adjust the speed correspondingly according to the working temperature, reducing the noise and energy consumption;

► **Access Control Switch Design:**

When the cabinet is opened, the system will send an alarm notification to ensure personal safety;

► **Auxiliary Power Switch:**

Support 12V and 24V screen switching;

► **Energy Saving Design:**

In standby mode, the module standby power consumption is 0;

► **Dust-proof Design:**

Water-washable dust-proof design for easy cleaning;

► **Water Immersion Protection Design:**

When the bottom of the charger is flooded with more than 200mm, the input and output will be disconnected and charging will stop.

► **High Protection Level:**

With the IP54 level, it can be installed in the outdoor harsh environment;

► **Double-Plug & Double-Pile Charging Function:**

Two terminals or two connectors can simultaneously provide high-power charging for 1 vehicle.

Technical Specifications

Model	PSDCC360-720KWKR
Output Power Rating	360-720kW
Output Voltage	200-1000V
Output Current	Up to 300A (Air cooling) Up to 600A (Liquid Cooling)
Overall efficiency	≥95%
Number of Terminals	1-6
Number of Connectors	1-12
Earthing System	3P N, PE
Input Voltage	3-phase 400V AC±20%
Input Frequency	45-65Hz
Harmonic distortion (THDi)	≤5%
Power Factor	≥0.99
LCD Display	7" color touch screen
Status indication	LCD/LED/APP
RFID Reader	MifareISO/IEC14443 A
Start Mode	RFID card/QR Code/APP
Emergency Stop	Yes
WiFi+Bluetooth	Yes
Ethernet/4G	Optional
OCPP	OCPP 1.6 Json
Power Measurement Accuracy	+/- 10%
IP Rating	IP54
Electrical Protection	Over voltage protection, under voltage protection, overload protection, short circuit protection, open circuit protection, leakage protection, grounding protection, over temperature protection, surge protection.
Certification Standard	IEC61851-1, IEC61851-23, IEC61851-24, IEC62196
Work Temperature	-30°C~+50°C
Storage Temperature	-40°C~+50°C
Work Humidity	5%~95%
Work Altitude	<3000m
Cable Length	5M Standard, 6m/7m Optional
Dimension	Host : 800*750*1800mm(W*D*H); Terminal : 450*220*1600 (W*D*H)
Installation	Floor-standing
Software	OTA updates