



POWER SOLID

# POWER SOLID DC FAST CHARGING STATION

PSDCC80KW2PGBC2KR

**80** KW



THE CROWN OF POWER SOLUTIONS

## Features

▶ **Easy installation:**

Integrated design makes it easy to be installed;

▶ **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;

▶ **Human-computer Interaction:**

Information such as charging status, amount or fault can be clearly displayed, making it convenient for users to operate

▶ **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;

▶ **Hinged Design:**

The equipment is designed with hinged side doors, which is convenient for maintenance;

▶ **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;

▶ **Case Safety Protection:**

360°anti-collision design, automatic power-off when inclination exceeding 30°;

▶ **Various Communication Modes:**

With strong anti-interference ability, the charging and fault information can be uploaded via Ethernet or wireless 4G communication;

▶ **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;

▶ **Auxiliary Power Switch:**

Support 12V and 24V screen switching;

▶ **High and Low Voltage Isolation Design:**

High voltage and low voltage parts are isolated for safety protection and easy maintenance;

▶ **Energy Saving Design:**

In standby mode, the power of module is as low as 6W.

## Technical Specifications

| Model                      | PSDCC80KW2PGBC2KR                                                                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Output Power Rating        | 80KW                                                                                                                                                                                                                |
| Output Voltage             | 200-1000V                                                                                                                                                                                                           |
| Output Current             | Up to 300A                                                                                                                                                                                                          |
| Overall efficiency         | ≥95%                                                                                                                                                                                                                |
| Number of Connector        | 2*CCS2 or 1*CCS2+1*GB/T                                                                                                                                                                                             |
| 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. |
| 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                  | 800*500*1600mm(W*D*H)                                                                                                                                                                                               |
| Installation               | Floor-standing                                                                                                                                                                                                      |
| Software                   | OTA updates                                                                                                                                                                                                         |