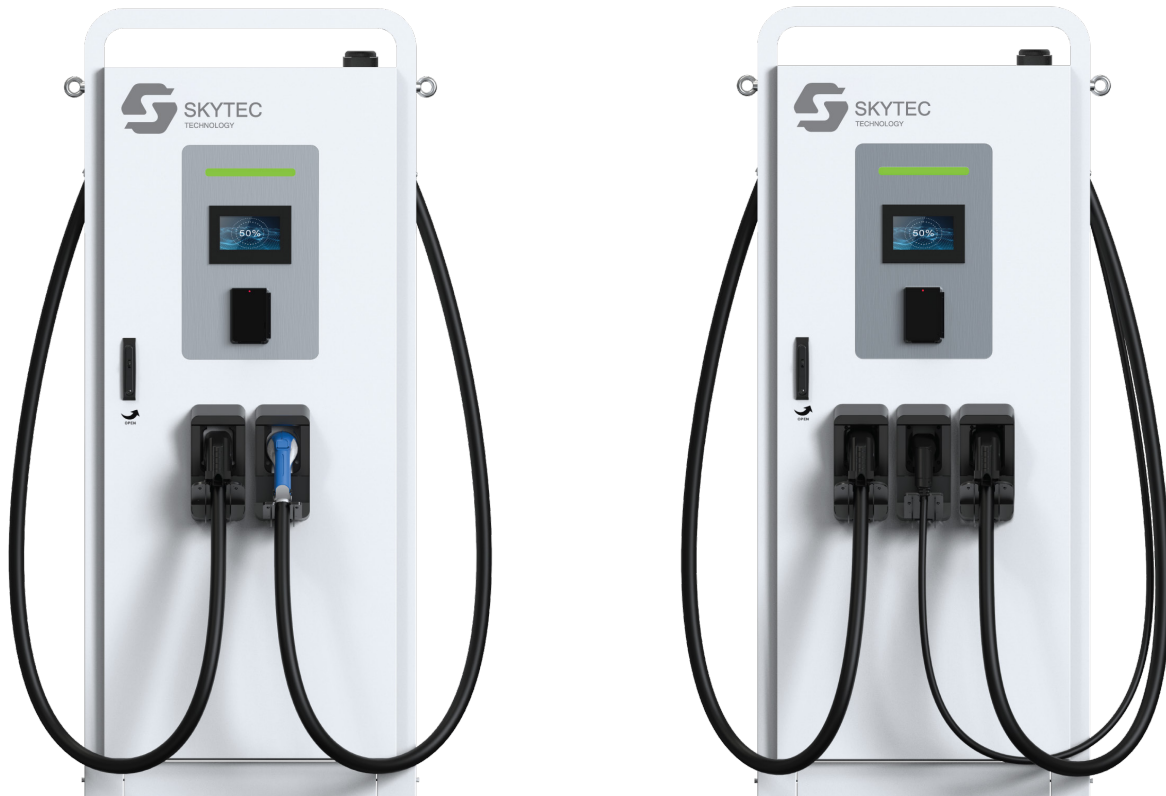# SEC 80kW Series DC Fast Charger Technical Specifications
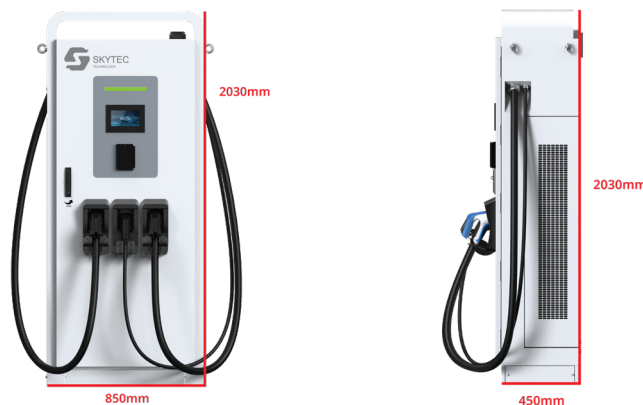


# Overview

The SEC 80kW is an integrated DC fast charger that features high efficiency and flexible configured. It supports the CCS & JAP & Type 2 triple connector charging at the same time and adopts compact design, with a smaller area covered.

The Charger used in centralized fast charging station, it adopts 20kW charging power module of Sinexcel, and meet the charging demand of larger capacity and high endurance electric on the market.

## Specifications

| 240kW Integrated Charger | | |
|---|---|---|
| **Input Characteristic** | **Input voltage** | **400 VAC +/- 10%** |
| | **Input frequency** | **50 / 60 Hz** |
| | **Input type** | **3P + N + PE** |
| | **Input current** | **150A** |
| | **Input power** | **89kVA** |
| | **Power factor** | **0.99** |
| | **THDi** | **<5%** |
| | **Grounding type** | **TN-S, TN-CS** |
| **Output Characteristic** | **Connector options** | **CCS2** |
| | | **CCS2+CCS2** |
| | | **CCS2+CHAdeMO** |
| | | **CCS2+CHAdeMO+Type2** |
| | | **CCS2+CCS2+Type2** |
| | **Output voltage** | **CCS2: 200-1000 Vdc** |
| | | **CHAdeMO: 200-500 Vdc** |
| | | **Type2: 400Vac +/- 10%** |
| | | **300~1000V is the output voltage of constant power output.** |
| | **Maximum output current** | **CCS2: 200A** |
| | | **CHAdeMO: 125A** |
| | | **Type2: 32A** |
| | **Rated power** | **DC: 80kW** |
| | | **AC: 22kW** |
| | **Peak efficiency** | **96%** |
| **Environment** | **Operational altitude** | **<2000 m** |
| | **Operating temperature** | **-25 °C to +50 °C (Full power)** |
| | | **Up to 50 °C: 100% output power,** |
| | | **50-65 °C interval, linear power limit,** |
| | | **65°C or more, module shutdown protection.** |
| | **Storage temperature range** | **-30 °C to +70 °C** |
| | **Humidity** | **5 %-95 % Rh non-condensing** |

| Structure | IP and IK rating | IP55/ IK10 |
| --- | --- | --- |
| | Dimensions | W850mm*D450mm*H2030mm |
| | Weight | ≤300 kg |
| | Enclosure material | 304 stainless steel |
| Components | Cable length | 5m (total, outside charger 4/5m) |
| | Screen | 7" HD high-contrast touchscreen |
| | RFID Reader | ISO 14443 A + B to part 4 and ISO/IEC 15693, Mifare1, NFC |
| | Emergency button | Yes |
| Others | Communication interface | 4G / LAN Port |
| | Language | English (Support customizing other languages) |
| | Communication protocol | OCPP1.6J |
| | Cooling method | Air cooled |
| | Payment method | RFID / APP |
| | | (Mobile phone / Visa / Master is optional) |
| | EMC | Class A (industrial) |
| | Protection | Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over-temperature protection, Surge Protection Device and Emergency Stop Protection. |
| | Optional functions | Tilt detection, flood detection and smoke detection |
| Standards and Certifications | Standards | IEC 61851, IEC 62196, DIN 70121, ISO 15118, etc. |
| | Certifications | CE, TUV, TR25, UKCA, RCM |

2030mm
850mm
2030mm
450mm

# Everything about profitability and charging experience