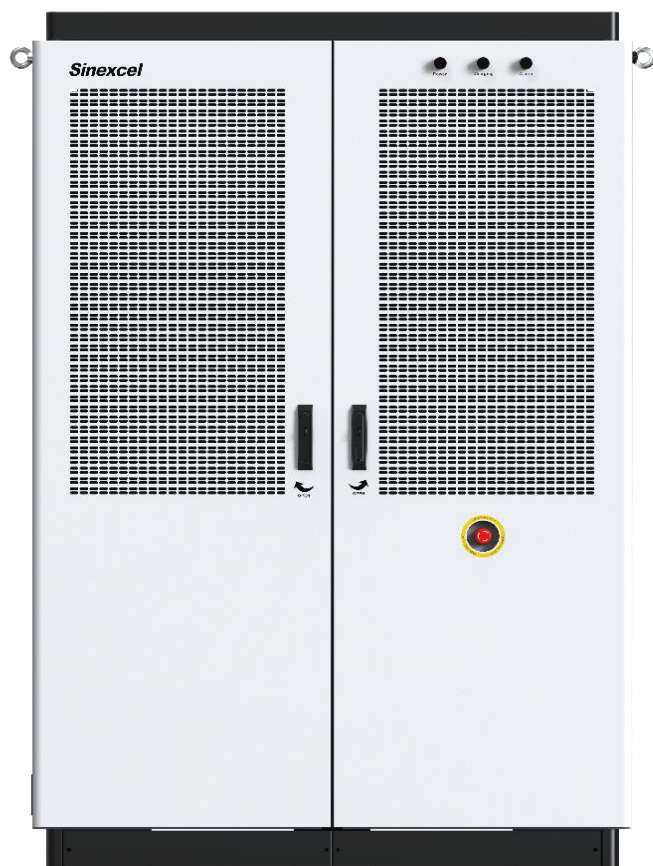


Overview

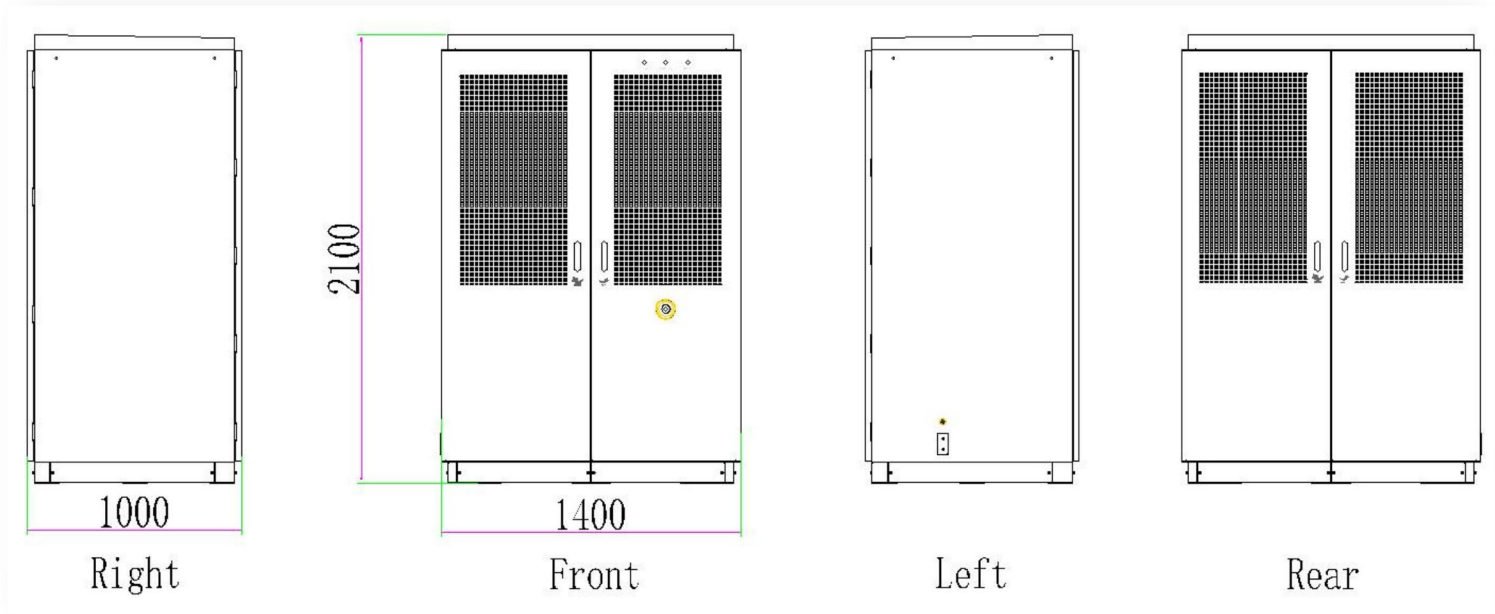
SEC series DC charger is a high-power DC distributed charger independently developed by Sinexcel. It supports new 40kW DC charging module, with a maximum charging power of 480kW. The whole charging system has high efficiency and flexible configuration. By controlling the User Terminal to charge for EV, it can realize not only even load sharing, but also the flexible output distribution of several connectors. In this way, the SEC distributed charger can realize the flexible power distribution among the connectors.

SEC series charger can provide liquid cooling and air cooling User Terminal, as well as CCS1, NACS and CHA charging standard. The charger can meet the charging demand of larger capacity and high endurance from electric vehicle on the market. SEC series charger adopts modular design, and has multiple protections, flexible power distribution and charging control system, which has high efficiency, stable outputs and high reliability. Therefore, it can charge for the EV with high power via reliable User Terminal.



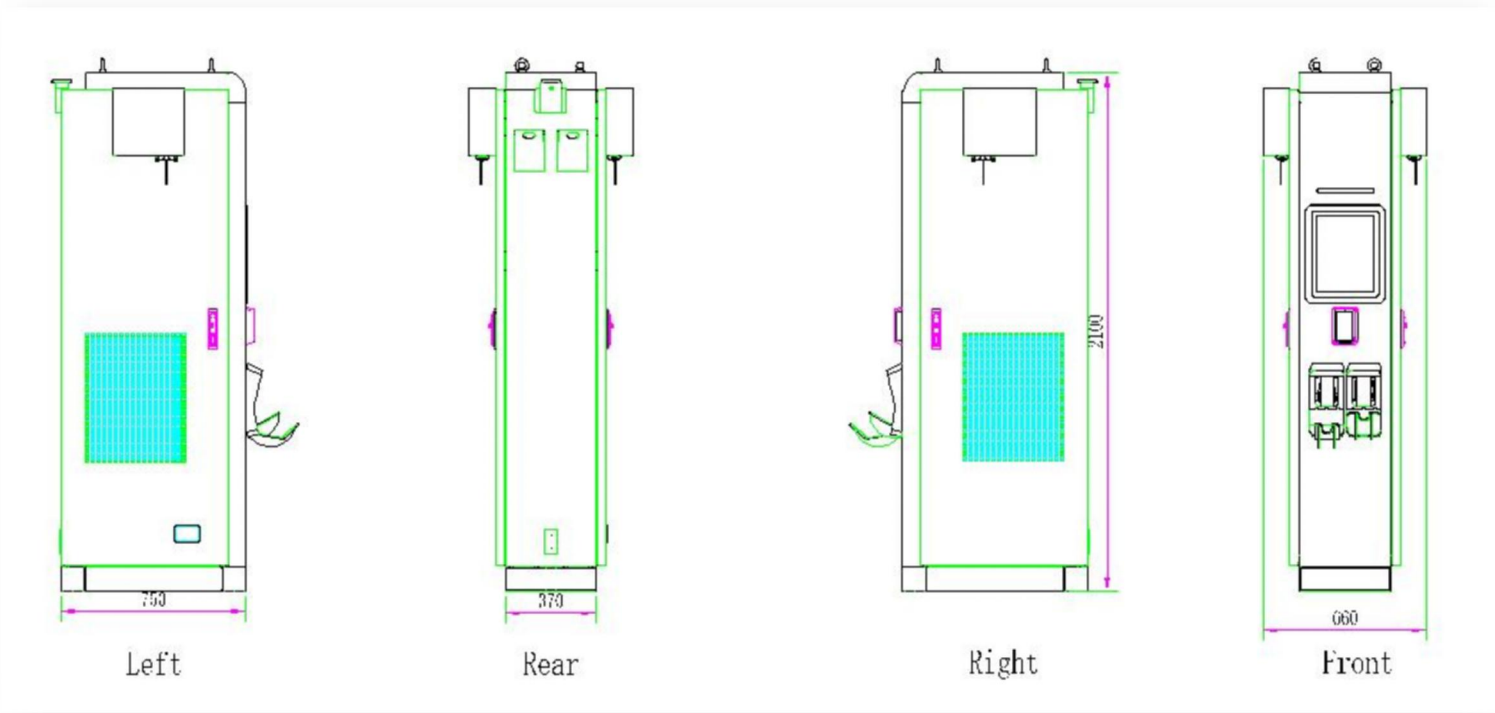
Dimensions

Power bank



W55-1/8*D39-3/8*H82-43/64 inches (W1400*D1000*2100mm)

User unit



D29-17/32*W17-23/32*H82-43/64 inches(W450*D750*2100mm)

Specifications

| 480kW Distributed Charger | | |
|---------------------------|-------------------------------|--|
| General | Enclosure material | Stainless steel |
| | IP and IK rating | IP55/NEMA 3R IK10 |
| | Operational altitude | ≤6561.67 ft(2000 m) |
| | Operating temperature | -13 ~ 122 °F (-25 ~ 50 °C) (Full power) |
| | Temperature derating | Up to 122°F : 100% output power, 122-149°F interval, linear power limit, 149°F or more, module shutdown protection. |
| | Storage temperature range | -22 ~ 158 °F (-30 ~ 70 °C) |
| | Humidity | 5 %-95 % Rh non-condensing |
| | EMC | Class A (industrial) |
| | Protection | Input over voltage protection;Output under voltage protection;Short circuit protection;Over current protection; Overtemperature protection;Current surge protection; Emergency stop protection, etc. |
| Power bank | Input voltage | 480 VAC +/- 10% |
| | Input frequency | 50 / 60 Hz |
| | Input type | 3P + N + PE |
| | Dimensions | W55-1/8*D39-3/8*H82-43/64 inches (W1400*D1000*H2100mm) |
| | Power factor | 0.99 |
| | Peak efficiency | ≥96% (Full load) |
| | THDi | <5% |
| | Weight | ≤1918lbs(≤870kg) |
| | Emergency button | Yes |
| | Grounding type | TN-S, TT |
| User unit | Connector options | CCS1/CHA/NACS |
| | Number of connectors | 6 (at most) |
| | Output voltage | 200~ 1000V |
| | Constant voltage range | 300~ 1000V |
| | Maximum current per connector | CCS1(conventional cooling): 300A; NACS(conventional cooling): 350A; CCS1(liquid cooling): 500A; CHAdemo: 125A; |
| | Cable length | 16.4ft(5m) |
| | Screen | 15" HD touchscreen |
| | Dimensions | D29-17/32*W17-23/32*H82-43/64 inches (D750*W450*H2100 mm) |
| | Load sharing | Flexible load distribution according to user requirement |

| | | |
|-------------------------------------|--|--|
| | Incremental unit for output power distribution | 40kW |
| | Payment method | RFID/APP(Credit card/NFC is optional) |
| | Peak efficiency | 96% |
| | Communication interface | 4G / LAN Port |
| | Language | English (Support customizing other languages) |
| | Communication protocol | OCPP1.6J |
| | Cooling method | Air/liquid cooled |
| | Optional functions | Tilt detection, flood detection, smoke detection, heater, cable management |
| | Emergency button | Yes |
| Standards and Certifications | Standards | UL 2202, UL2231, UL1998, UL991, FCC, ISO 15118 |
| | Certifications Mark | cTUVus |

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Sinexcel

Everything about profitability
and charging experience