

### Overview

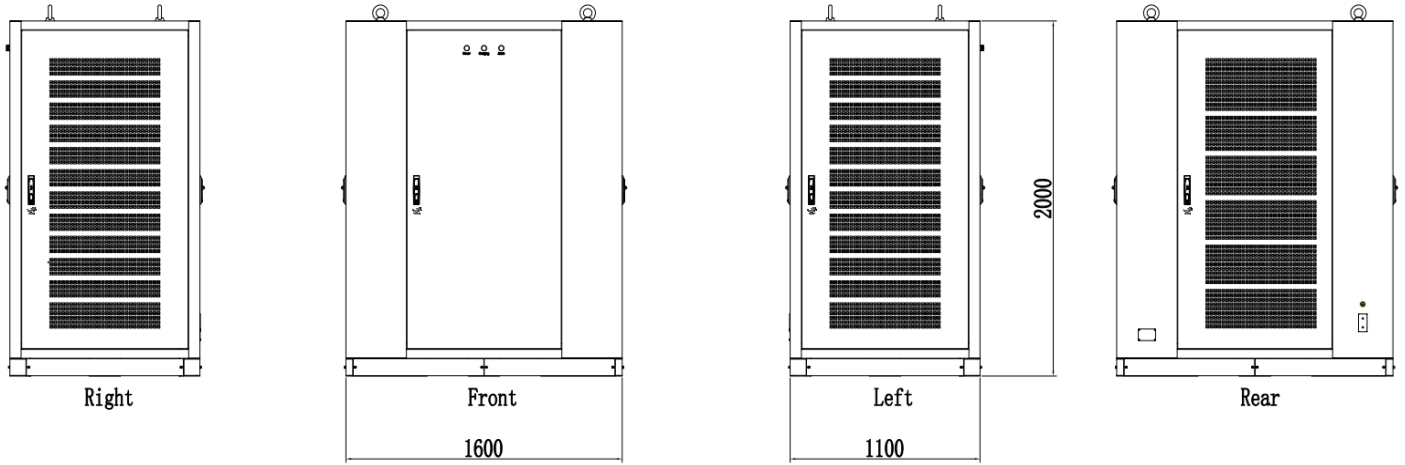
SEC 480kW series DC charger is a high-power DC distributed charger independently developed by Sinexcel. It supports new 20kW DC charging module, with a maximum charging power of 480kW. The whole charging system has high efficiency and flexible configuration. By controlling the User Terminal to charge 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 480kW series charger offers both liquid-cooled and air-cooled User Terminals, catering to diverse requirements. It is designed to meet the charging needs of electric vehicles with larger battery capacities and long-distance driving demands. The SEC series features a modular design, multiple safety protections, flexible load distribution, and an advanced charging control system. These features deliver high efficiency, stable output, and reliable performance, enabling ultra-fast charging through dependable User Terminals.



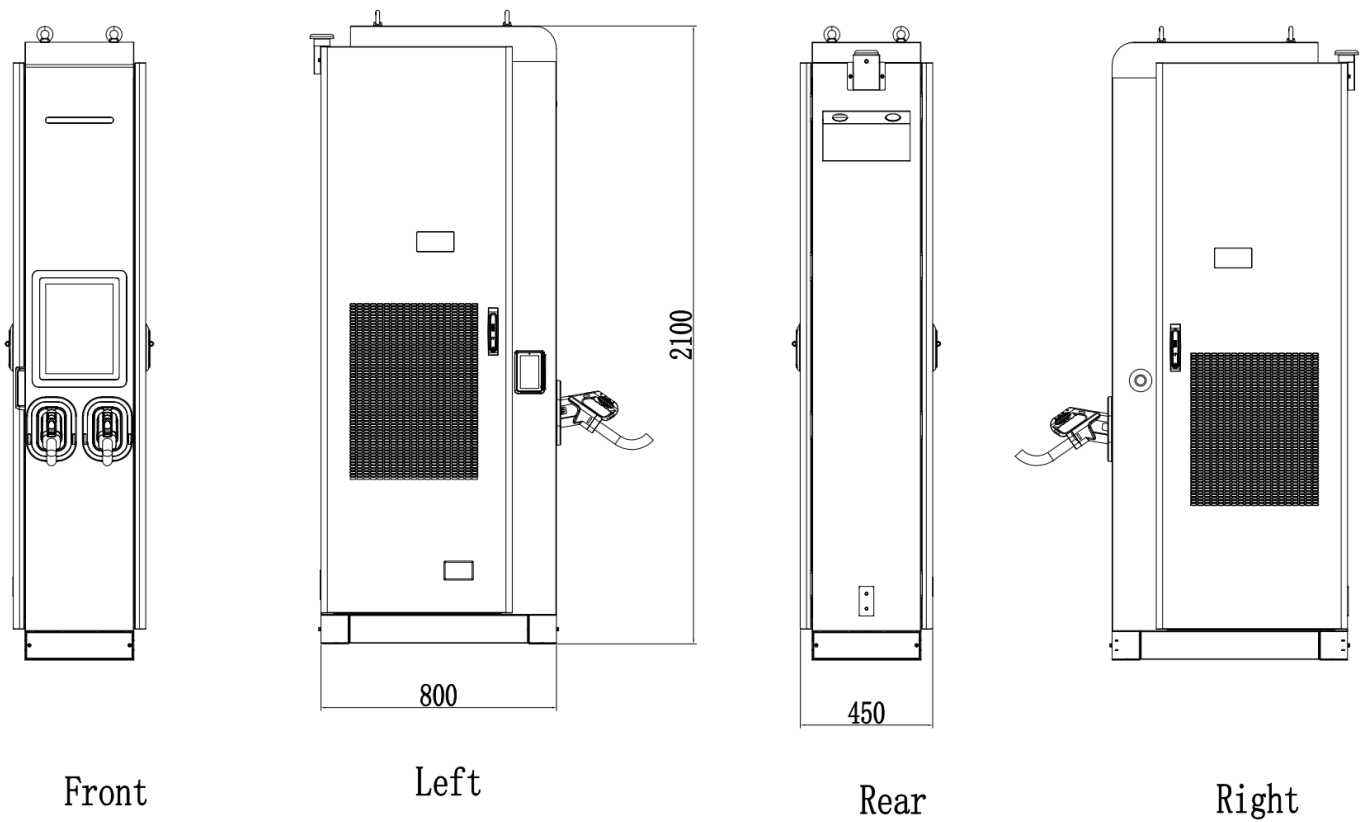
# Dimensions

## Power Bank



**W1600\*D1100\*2000mm**

## User Terminal



**W450\*D800\*2100mm**

# Specifications

360kW / 480kW Eichrecht Distributed Charger		
General	Enclosure material	Stainless steel
	IP and IK rating	IP55/IK10
	Operational altitude	<2000 m
	Operating temperature	-25 °C to +50 °C (Full power)
	Temperature derating	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
	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	400 VAC +/- 10%
	Input frequency	50 / 60 Hz
	Input type	3P + N + PE
	Dimensions	≤W1600mm*D1100mm*H2100mm
	Power factor	0.99
	Peak efficiency	≥96% (Full load)
	THDi	<5%
	Weight	≤900 kg
	Emergency button	Yes
	Grounding type	TN-S, TT
Dual-connector User Terminal	Connector options	CCS2
	Number of connectors	6 (at most)
	Output voltage	200~ 1000V
	Constant voltage range	300~ 1000V
	Rated & Maximum current per connector	CCS2(air cooling): 200A / 350A CCS2(liquid cooling): 500A (boost 600A);
	Cable length	5m, 7m (optional)
	Screen	15" HD touchscreen
	Dimensions	W450mm*D800mm*H2100mm
	Load sharing	Flexible load distribution according to user requirement
	Incremental unit for output power distribution	40kW
	Payment method	RFID/APP
	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
<b>Standards and Certifications</b>	Standards	IEC 61851-1, IEC 61851-23, IEC 61851-21-2, ISO 15118
	Certifications Mark	CE, TUV, Eichrecht

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**SINEXCEL**

Everything about profitability  
and charging experience