

### OVERVIEW

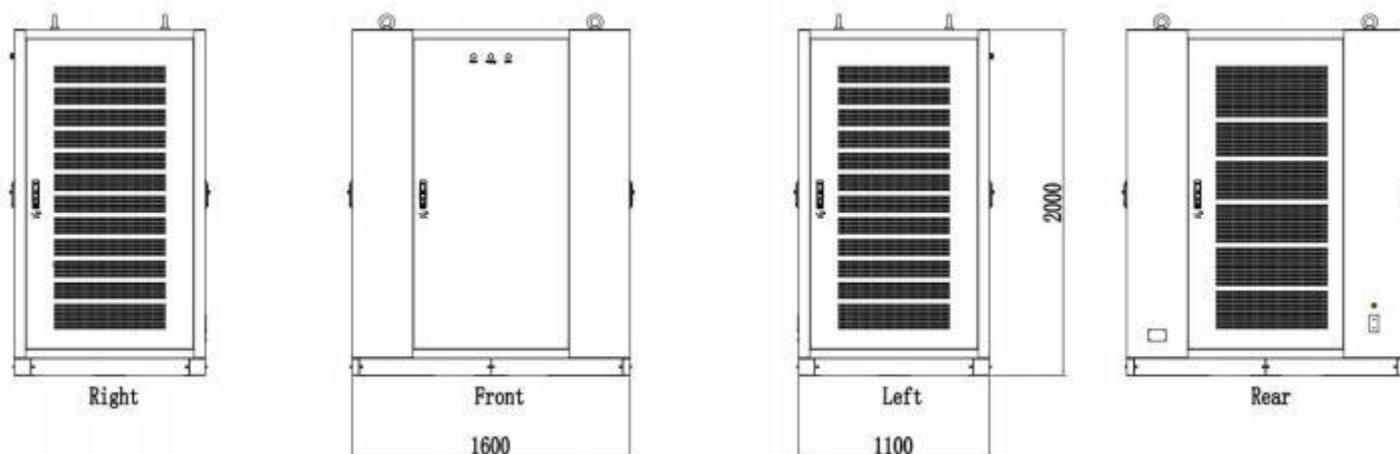
ZOE series DC charger is a high-power DC distributed charger independently developed by ZOE. It supports new 20kW DC charging module, with a maximum charging power of 480kW. The whole charging system has high efficiency and flexible configuration. By controlling the User Terminal to charge for EV, it can realize not only even load sharing, but also the flexible output distribution of several connectors. In this way the ZOE distributed charger can realize the flexible power distribution among the connectors.

ZOE series charger can provide liquid cooling and air cooling User Terminal, as well as CCS2 and CHA charging standard. The charger can meet the charging demand of larger capacity and high endurance from electric vehicle on the market. ZOE 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.



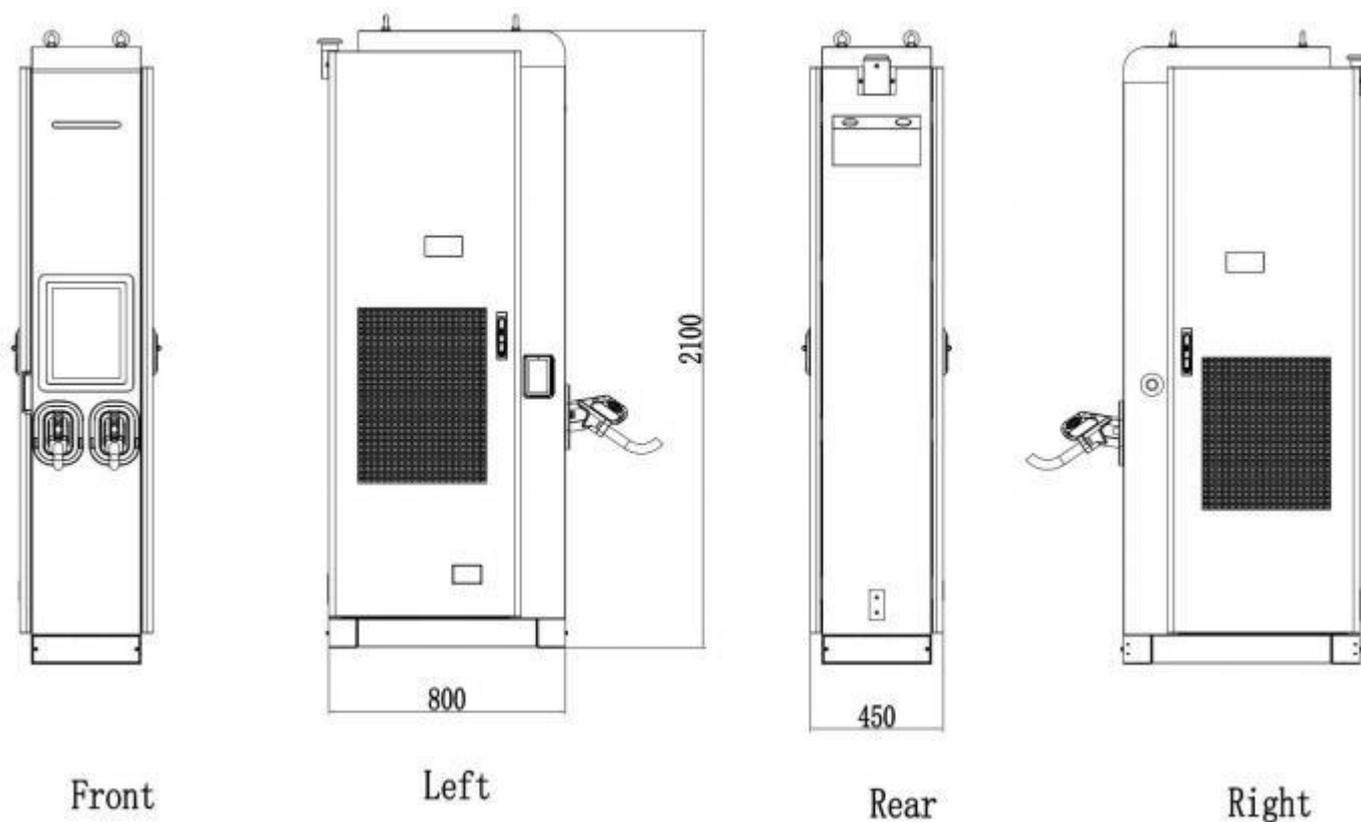
## Dimensions

### Power bank



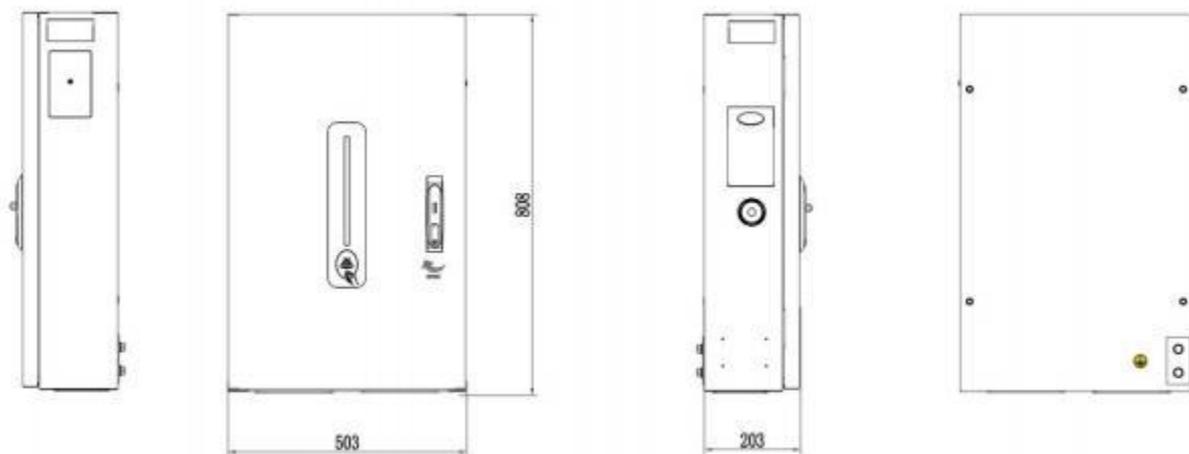
**W1600\*D1100\*2000mm**

### User unit 1



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

## User unit 2



**W500\*D200\*800mm**

# Specifications

## 480kW Distributed Charger

<b>General</b>	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.
<b>Power bank</b>	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
<b>Dual-connector User unit</b>	Connector options	CCS2/CHA
	Number of connectors	6 (at most)
	Output voltage	200~ 1000V
	Constant voltage range	300~ 1000V
	Maximum current per connector	CCS2 (conventional cooling for normal terminal): 350A; CCS2 (liquid cooling): 500A; CHAdeMO: 125A;
	Cable length	5m
	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 (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
<b>Slim Terminal</b>	Connector options	CCS2
	Number of connectors	6 (at most)
	Output voltage	200~ 1000V
	Constant voltage range	300~ 1000V
	Maximum current per connector	CCS2(conventional cooling for slim terminal): 200A;
	Cable length	5m
	Dimensions	W500mm*D200mm*H800mm
	Payment method	RFID/APP
	Communication protocol	OCPP1.6J
	Cooling method	Air cooled
<b>Standards and Certifications</b>	Standards	IEC 61851-1, IEC 61851-23, IEC 61851-21-2, ISO 15118
	Certifications Mark	CE, TUV