

Group Charging System



CE 480kW Power Cabinet

Product Description

As the core of the group charging system, the 480kW power cabinet integrates charging modules, charging control, and communication functions to provide users with safe, reliable, and efficient charging services. The ultra-wide output voltage range satisfies the charging needs of special vehicles and vehicles applied to universal voltage platforms. With the support of TELD charging management platform or OCPP charging platform, large-scale charging operation and management will be achieved.

Application Scenario

- Public service charging station
- Public transport charging station
- Workplace charging station
- Industrial/logistics fleet charging station
- Dedicated Charging (E-bus)

Features

Power distribution

- Full matrix topology, intelligent scheduling
- High power utilization rate

High protection

- Fully silicone-filling process, anti-corrosion
- Highly adaptable to different environments

Easy operation and maintenance

- Plug-in modular design
- Support remote upgrade

Strong compatibility

- Ultra-wide output voltage range of 50V~1000V, suitable for a wide range of vehicle models
- Compatible with CCS and GBT charging dispenser

Easy installation

- Rapid deployment and fast installation

Easy expansion

- Power distribution units can be connected in parallel within the same cabinet or across cabinets to quickly increase capacity and are compatible with supercharging terminals

Technical Parameters

Type	TZKX-DC1000/480-KEX
Power Supply	3P+N+PE
Input Voltage	400Vac±10%
Output Voltage	50Vdc~1000Vdc
Frequency	45Hz~65Hz
Peak Efficiency	≥95%
Power Factor	>0.99
THDi	≤3%
Output Channels	12*400A
Display	8” LCD screen
Emergency Stop	Yes
Language	English (Other languages need to be customized)
Communications	Standard: 4G Ethernet LAN Optional: Wi-Fi
Platform Protocol	OCPP1.6J
Operating Humidity	5%RH~95%RH
Operating Altitude	≤2000m
Operating Temperature	-30°C~50°C
IP Rating	IP54
IK Rating	IK10 (Screen IK08)
Cooling	Air cooling
Product Dimension	W*D*H: 1440mm*1040mm*1835mm
Package Dimension	W*D*H: 1618mm*1206mm*2021mm
Net Weight	450kg
Gross Weight	609kg
Standards	IEC 61851-1-2017 IEC 61851-23-2014 IEC61851-24-2014 EN61851-1-2019 EN 61851-23-2014 EN 61851-24-2014
Certification	CE CB TÜV Mark RoHS UKCA OCA

