

EV CHARGING SOLUTIONS PROVIDER



get in charge

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DC 240/480/640kW Charger (Split Type)



TÜVRheinland®



Charging Dispenser



Power Cube

Main Features

- CCS1 / CCS2 / CHAdeMO / GBT EV Charging standard support
- IP65 for the dispenser and IP54 for the power cube with high protection and high reliability for harsh environment
- One CCS / GBT standard 500A liquid cooling charging connector support with Any Cooling™ liquid cooling solution*
- 250A or 300A CCS normal charging connector for the balance of cost and charging capacity
- OCPP 1.6J support with update firmware to 2.0, smart charge and power management support
- Max 3 charging dispensers with 4 charging connectors configuration
- CoolRing™ ring net power transfer between the dispensers' connectors to improve the power using efficiency
- Easily configure the output power up to 480/640kW and the output voltage up to 1000V
- Full safety function with output contactor and fuse, EPO, SPD, leakage protection switch, insulation detect protection
- 7" LCD & touch screen
- Internal high precision AC and DC energy meter, VDE and PTB certification type*
- LAN and LTE wireless support, RFID authorization and Mobile App payment support



CCS2
(Natural cooling)
CCS2(N)
CCS2(N)+CCS2(N)

Natural Cool Cable

Maximum Output: 200A, 1000Vdc
Connector: CCS, CHAdeMO, GB/T



CCS2
(Liquid cooling)
CCS2(L)
CCS(N)+CCS2(L)

Liquid Cool Cable

Maximum Output: 500A, 1000Vdc
Connector: CCS, GB/T

Specification (Max 640kW, 1000VDC, IP65/54)

Product:		240kW Power Cube	480kW Power Cube	640kW Power Cube
Model:		EM240K2	EM480K2	EM640K2
Input AC Parameters	AC Frequency & Voltage	45-65Hz/ 3-phases+N+PE/ 260Vac-530Vac		
	Max Input AC Current	CE: 431A/ UL:341A	CE: 2* 431A/ UL: 2*341A	CE: 2* 580A/ UL: 2*455A
	Power Factor	>0.99		
	Total Harmonic Current	<5% (Rated Input)		
Output Parameters	DC Output Voltage Range	150-1000V		
	Max DC Output Power	480kW@300V~1000V	480kW@300V~1000V	640kW@364V~1000V
	Max DC Output Current	800A@300V, 480A@500V, 260A@920V	1600A@300V, 960A@500V, 521A@920V	1760A@364V, 1280A@500V, 695A@920V
	Max System Efficiency	>95.0%(Rated Input and Output)		
	Output Channel	Max 6 Channels DC bus outputs with fuses as the input of the charging dispensers		
	Dispenser Support	Max 3 dispensers/ 6 charging connectors connection		
HMI	RGB LED, E-Stop			
Mechanic	Dimension WxDxH(mm)	1000 x 800 x 2000 (mm)		
	Weight (kg)	480kg (+21kg*Charger Module Configuration Number)		
	Protection Class	IP54/ IK10		
Power Module	Max 16 Module Slots	REG1K0100G/U 30kW/ 1000V Power Module	REG1K0100G/U 30kW/ 1000V Power Module	REG1K0100G/U 40kW/ 1000V Power Module

Product:		200A Dispenser	500A Dispenser
DC Input	DC Input Voltage Range	150~1000V	
	DC Input Channel	2 Channels DC Bus from the Power Cube	
DC Output	Output Connector	2 Connectors with DC-1 and DC-2	
	Output DC Voltage Range	150V~1000V	
	Max DC Output Current	200A+200A/ Optional 300A+300A	500A+200A/ Optional 500A+300A
	Ring Net Function Support	Power can do 6 steps transfer in each connectors between three dispensers	
HMI	Tempered glass protective 7" Capacitive Touch Screen LCD, Two RGB panel LED, E-Stop, RFID		
Metering	2 DC energy meters, GB/T 50063-2008 and DL/T 5137-2008 standard, optional VDE and PDB Certification Type		
Monitor	OCPP1.6J, Support Firmware Update to 2.0, Smart Charge and Power Management Support, LAN 100M and LTE Wireless Modem Support		
Optional Function	Optional Credit Card Reader Installation, Optional Charger Cable Tracer Installation		
Functional Interface	Charging & Billing Modes	Auto Full Charge, Charge Time, Amount, Charge Energy, Charge end SOC	
Multi Protection	Charging Protection	Overcurrent/ Short Circuit/ Overvoltage/ Undervoltage/ RCD/ Insulation	
		Overtemperature Protection/ Reverse Polarity Protection	
Mechanic	Dimension WxDxH (mm)	600x250x1750mm/ 200kg/ IP65/ IK10	600x350x1750mm/ 220kg/ IP55/ IK10
Configuration	Charging Connector Configuration	2 GBT/ 2 CCS/ CCS+GBT/ CCS+CHAdEMO	
	Charging Connector Capacity	GBT: 250A (500A*) CCS1/2: 200A (300A or 500A*) CHAdEMO: 125A Optional DC-1 left side charging connector can configure to the 500A/ 1000V Liquid Cooling Connector	

Common Specification		
Standard	Charging Standard	GBT 27930-2011 and 27930-2015, CHAdEMO V1.2/V2.0, Power derating 5%/°C above 50°C
	EMC/ Safety	UL2202, CE, EN61000-6-3/ EN61000-6-1 Class A; EN61851-1/ EN 61851-23/ EN61851-24
Working Environment	Ambient Temperature	-20°C~+70°C, Full power output below 50°C, power derating 5%/°C above 50°C
	Storage Temperature	-40°C~+75°C
	Working Humidity	0~95%
	Working Altitude	2000m

*Optional