

DC 60/120/150kW Charger (IP 65)



TÜVRheinland®



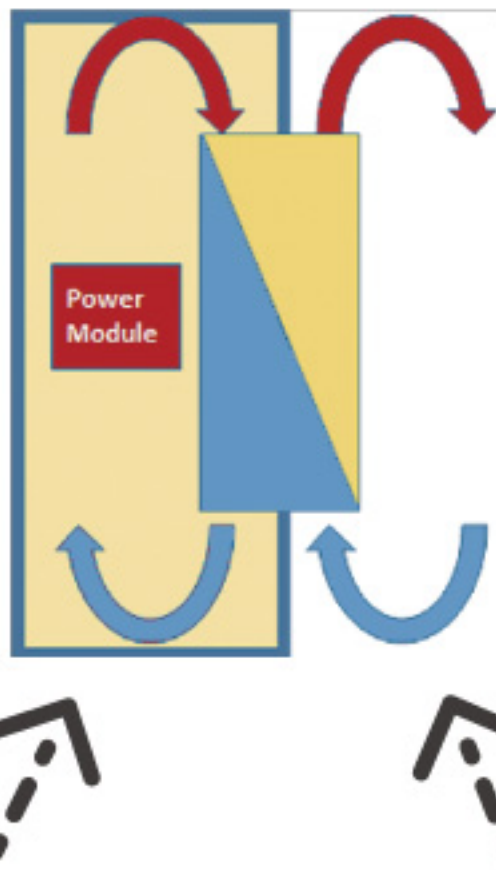
DC | DC 150kW Charger
Floor Standing



Main Features

- CCS-1 or CC2-2 / GB/T / CHAdeMO and AC type 2 configuration and option
- IP65 design with high protection & reliability for harsh environment
- OCPP1.6J support, 2.0 firmware update support
- Power transfer between the 2 DC connectors, and also can output at the same time for the 2 DC connectors
- From 60kW to 150kW charging power configuration 22kW AC type 2 charging socket support*
- Full safety function with output contactor and fuse, EPO, SPD, RCD, leakage switch, insulation detector protection
- 7" LCD & touch screen
- Multiple charging modes: Auto basis, Time basis, Amount basis, Energy basis, SOC basis
- Multiple power distribution modes: Standalone, Current Switch, Plug Switch, Full Hold, Master Slave
- Internal high precision DC energy meter and optional AC meter

Heat Exchanger (IP65)



Heat Exchanger



- IP65 make a **sealed environment** to protect the power module
- Internal air flow to cool down the power module
- Outside air flow to cool down the Heat Exchanger
- Use a high efficiency Heat Exchanger to bring the heat out



- Works in high efficiency & insulates the Power Module from dust moisture.
- Less likelihood of service downtime. Hence, product life time will be longer.

Specification (Max 150kW, 1000VDC, IP65)

Version:		60kW	120kW	150kW
Model:		EXP120K1-HT-60	EXP120K1-HT-120	EXP150K3-HT
Input AC Parameters	AC Frequency	45-65Hz		
	AC Voltage	3-phase+N+PE, 260Vac-530Vac		
	Power Factor	>0.99		
	Total Harmonic Current	<5% (Rated input)		
Output Parameters	DC Voltage Accuracy	<±0.5%		
	DC Output Voltage Range	DC 150V-1000V*		
	Max DC Output Current	200A@300V, 120A@500V, 65A@920V Each charging cable's max output current is 200A/CCS (optional 100A or 120A), 250A/GBT, 125A/CHAdeMO	400A@300V, 240A@500V, 130A@920V Each charging cable's max output current is 200A/CCS (optional 200A or 240A), 250A/GBT, 125A/CHAdeMO	500A@300V, 300A@500V, 163A@920V Each charging cable's max output current is 200A/CCS (optional 250A or 300A), 250A/GBT, 125A/CHAdeMO
	Max DC Output Power	60kW	120kW	150kW
	Max System Efficiency	>95.5% (Rated input and output)		
	AC charging*	AC type 2 Socket, 22kW/32A		
Working Environment	Ambient Temperature	-20°C ~ +65°C, full power output below 45°C, Power derating 5%/°C above 45°C		
	Storage Temperature	-40°C ~ +75°C		
	Working Humidity	0 ~ 95%		
	Working Altitude	0~2000 m		
Standard	CCS PLC Communication	DIN70121 and ISO15118		
	CHAdeMO	CHAdeMO V1.2		
	GBT	GB/T 18487.1-2015, GB/T 27930-2015, GB/T 20234.1~3-2015		
	EMC/ Safety	CE, EN61000-6-3/ EN61000-6-1 Class A; EN61851-1/ EN61851-23/ EN61851-24		
	Protection Class	IP65/ IK10		
Functional Interface	HMI	7" TFT Touch Screen LCD, RFID,Power(G) /Alarm(R) /Charging(Y) RGB LED		
	Metering	2 DC energy meter, GB/T 50063-2008 and DL/T 5137-2008 standard		
	Communication Interface	OCPP1.6J, LAN10M/100M and optional inner LTE wireless modem support		
	Charging Mode	Auto basis, Time basis, Amount basis, Energy basis, SOC basis		
	Power Distribution	Standalone, Current Switch, Plug Switch, Full Hold, Master Slave		
Mechanic	Dimension WxHxD (mm)	700 x 1750 x 760 mm		
	Weight (kg)	180kg (+17kg*Charger Module Configuration Number)		
Charging Protection	Multi protection	Overcurrent Protection, Short Circuit Protection, Overvoltage Protection, Undervoltage protection, Insulation monitoring, Protect Earth connect monitoring, Reverse polarity protection, Overtemperature protection, RCD-A DC charging main protection and RCD-B for AC connector protection*		
Configuration	Charger Module	5 power module slots, REG1K01000G2 30kW/1000V Charger power modules selection		
	Charging Connector	2 CCS/ 2 GBT/ 1 CCS+1 GBT/ 1 CCS +1 CHAdeMO		
	Charging Connector Capacity	200A/1000V for CCS (250A or 300A*), 125A/500V for CHAdeMO, 250A/1000V for GBT		

*Optional