

DC 180/240kW Charger (HPC)



TÜVRheinland®



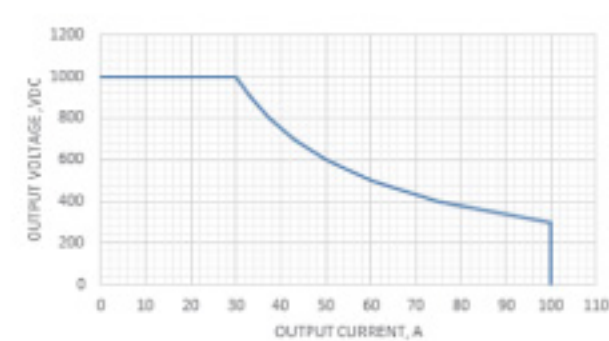
DC | DC 180kW Charger Floor Standing

Main Features

- CCS-1 or CC2-2, CHAdeMO and GBT support
 - IP55 design with high protection & reliability for harsh environment
 - OCPP 1.6J support with update sw to 2.0, smart charge and power management support
 - Optional CoolRing™ function realize the power transfer between the two chargers which can get max 360kW in one charger
 - Power can also transfer between the two DC connectors, and also can output at the same time for the two DC connectors
 - Max output power up to 180kW and max current up to 300A, and compatible with the voltage from 150V to 1000V
 - Full safety function with output contactor and fuse, EPO, SPD, RCD, leakage switch, insulator, detector protection
 - User friendly interface with tempered glass protective 7" TFT capacitive touch screen LCD
 - 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, optional VDE and PTB certification type
 - LAN and optional LTE wireless support, OTA support, RFID authorization and Mobile App payment support

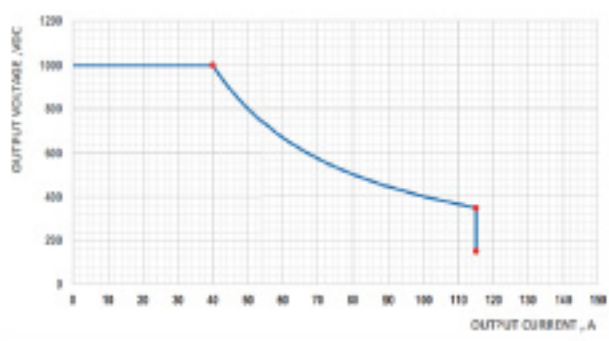
30kW Power Module (REG1K0100G)

- TÜV CE/UL, KC Certification, EMC class B level
- Air duct isolation design for high protection and high reliability for harsh environment
- Wide output voltage range, 150-1000VDC, suitable for a wide range of EVs
- Constant current for higher output power at low output voltage
- 3 phase active power factor correction technology, reduces the harmonic interference to the grid
- Wide input voltage range, 260~530Vac, allows operation in most poor grid conditions
- Wide operating temperature range, -40°C~+75°C



40kW Power Module (REG1K0120U)

- TÜV CE and UL Certification
- Air duct isolation design for high protection and high reliability for harsh environment
- Wide output voltage range, 150-1000VDC, suitable for a wide range of EVs
- Constant current for higher output power at low output voltage
- 3 phase without neutral eliminates the risk of high neutral currents
- 3 phase active power factor correction technology, reduces the harmonic interference to the grid
- Wide input voltage range, 260~530Vac, allows operation in most poor grid conditions
- Wide operating temperature range, -40°C~+75°C



Specification (Max 180kW, 1000VDC, IP55)

Version:		180kW	240kW
Model:		EM180K2-FT	EM240K2-FT
Input AC Parameters	AC Frequency	45-65Hz	
	AC Voltage	3-phases+N+PE, 260Vac-530Vac	
	Power Factor	>0.99	
	Total Harmonic Current	<5% (Rated input)	
	Max Input AC Current	291A/CE, 230A/UL	
Output Parameters	DC Voltage Accuracy	<±0.5%	
	DC Output Voltage Range	DC 150V-550V	
	Max DC Output Current	DC 150V-550V 600A@300V / 360A@500V / 180A@1000V Each charging cable's max output current is 200A/CCS (250A CCS or 300A CCS1*), 250A/GBT, 125A/CHAdeMO	DC 150V-550V 800A@300V / 480A@500V / 240A@1000V Each charging cable's max output current is 200A/CCS (250A CCS or 200A CCS1*), 250A/GBT, 125A/CHAdeMO
	Max DC Output Power	180kW	240kW
	Max System Efficiency	>95% (Rated input and output)	
	AC Charging*	AC Type 2 Socket, 22kW/32A	
Working Environment	Ambient Temperature	-20°C ~ +70°C, full power output below 50°C, Power derating 5%/°C above 50°C	
	Storage Temperature	-45°C ~ +75°C	
	Working Humidity	0 ~ 95%	
	Working Altitude	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	UL2202, CE, EN61000-6-3/EN61000-6-1 Class A; EN61851-1/ EN61851-23/ EN61851-24	
	Protection Class	IP55/ IK10	
Functional Interface	HMI	7" TFT tempered glass protective Touch Screen LCD, RFID, Power(G) /Alarm(R) /3*Charging(Y) panel LED	
	Metering	AC and DC energy meter, GB/T 50063-2008 and DL/T 5137-2008 standard, optional VDE and PDB certification type	
	Communication Interface	OCPP 1.6J, LAN 10M/100M and 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 750 (mm)	
	Weight (kg)	130kg (+21kg*Charger Module Configuration Number)	
Charging Protection	Multi Protection	Overcurrent Protection, Short Circuit Protection, Overvoltage Protection Insulation Monitoring, Protect Earth connect Monitoring Reverse Polarity Protection, Overtemperature Protection, RCD-A main protection	
Configuration	Charger Module	6 Power Module Slots, 1000V30kW Charger Power Modules Selection	
	Charging Connector	2 CCS/ 2 GBT/ 1 CCS+1 CHAdeMO / 1 CCS+1 GBT	
	Charging Connector Capacity	CCS 200A/1000V, Optional 250V CCS2 and 300A CCS1, CHAdeMO 125A/500V, GBT 250A/750V	

*Optional