

EXP60K3-FT Fast DC Charger

CCS /CHAdeMO /GBT 60kW, AC 22kW

Introduction

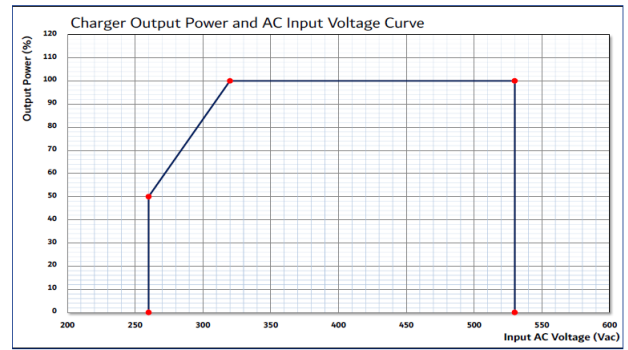
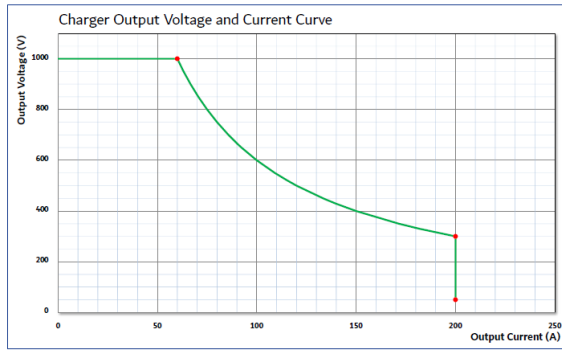
EXP60K3-FT Fast DC charger is specially designed for easy wall mounting or stand column installation applications with CCS / CHAdeMO /GBT/AC Type 2 standard EV charging. Integrated design with IP55 standard for harsh environment applications.

Configure the power to DC 60kW and AC 22kW, the voltage from 150V to 1000V. Also support 44kW V2G configuration.



Main Features

- CCS1 or CCS2 , CHAdeMO and GBT configure support , optional AC Type 2 cable support
- IP55 design with high protection and high reliability for harsh environment
- Wall mounted, optional stand column installation.
- EMC Class B, TUV CE and UL certification.
- OCPP 1.6 J and DIN/ISO15118 support, OCPP 2.0 and ISO15118-20 support with the SW update
- Power can transfer between the two charging cables and also can output at the same time for the two charging cables.
- 60kW charging capacity, charging voltage from 150V to 1000V.
- Optional 44kW V2G configuration, support CHAdeMO and CCS standard.
- User friendly interface with tempered glass protective 7" TFT capacitive touch screen LCD
- Multiple charging modes: Auto basis, Time basis, Amount basis, Energy basis, OC basis.
- Multiple power distribution modes: Stand alone, Current switch, Plug switch, Full hold.
- Internal high precision AC energy meter and DC energy meter, optional VDE and PTB certification type.
- LAN and optional LTE wireless support, OTA support, RFID authorization and Mobile App payment support



Input parameters	
AC Frequency	45-65Hz
AC Voltage	3-phases+N+PE , 260Vac-530Vac
Power Factor	>0.99
Total harmonic current	<3% (Rated input)
Output parameters	
DC Voltage accuracy	<±0.5%
Output DC voltage range	DC 150V-1000V
Max DC output current	60A/1000V, 80A/750V, 120A/500V, 200A/300V Each charging cable's max output current is 200A/CCS, 200A/GBT, 125A/CHAdEMO
Max DC output power	60kW
Max system efficiency	>95 (Rated input and output)
Optional AC output	AC type2, 22kW/32A.
Working environment	
Ambient temperature	-20 ~ +70°C , full power output below 50°C , Power derating 5 /°C above 50°C
Storage temperature	-40 ~ +75°C
Working humidity	0 ~ 95%
Working altitude	2000 m.
Standard	
CCS PLC communication	DIN70121 and ISO15118. ISO15118-20 support in SW update.
CHAdEMO	CHAdEMO V1.2 EVPOSSA, CHAdEMO V2.0 support in SW update.
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 B ; EN 61851-1/EN 61851-23/EN 61851-24
Protection Class	IP55/K10.
Function and Interface	
HMI	Tempered glass protective 7" TFT Touch Screen LCD , RFID , Power(G) /Alarm(R) /3*Charging(Y) panel LED
Metering	2 DC energy meter , GB/T 50063-2008 and DL/T 5137-2008 standard, optional VDE and PDB certification type.
Monitor interface	OCPP 1.6J , LAN 10M/100M and optional inner LTE wireless modem support. OCPP 2.0 support in Q2 2022.
Charging Mode	Auto basis, Time basis, Amount basis, Energy basis, SOC basis.
Power Distribution Mode	Stand alone, Current switch, Plug switch, Full hold.
Mechanic	
Dimension (W* H * D mm)	705 *1000 * 240 mm
Weight (Kg)	150 Kg (include the power modules and with 3 guns configuration)
Charging Protection	
Overcurrent protection, Short circuit protection, Overvoltage protection, Undervoltage protection Insulation monitoring, Protect Earth connect monitoring Reverse polarity protection, Overtemperature protection RCD-A main protection and RCD-B for AC connector protection	
Configuration	
Charger module configuration	Short circuit protection, Overvoltage protection, Undervoltage protection
Charging connector configuration	2 CCS /2GBT /1 CCS+1 CHAdEMO / 1 CCS+1 GBT, AC type2 cable
Charging connector capacity	200A/1000V for CCS, 125A/500V for CHAdEMO, 200A/750V for GBT, 32A for AC Type2