

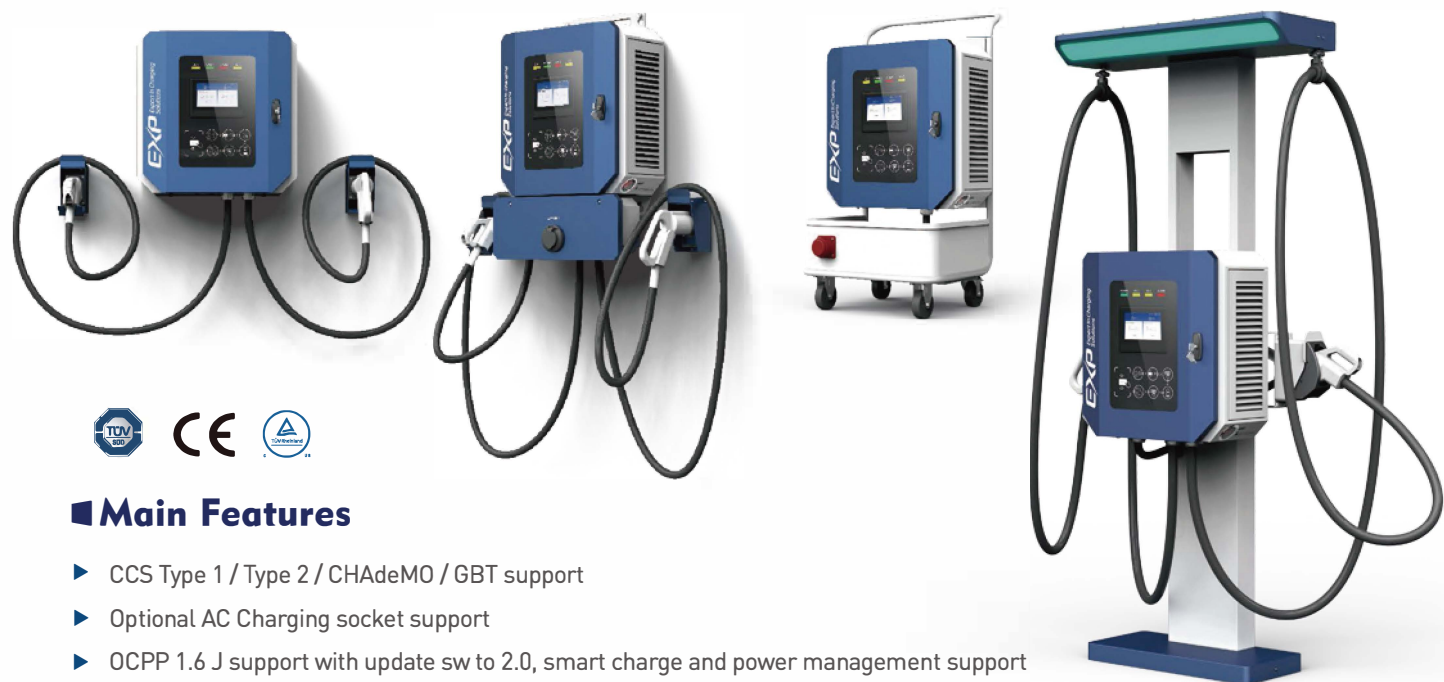
EXP30K2-FDW DC FAST CHARGER

30kW/40kW CCS /CHAdEMO /GBT DC + 22kW AC



Introduction

EXP30K2-FDW DC charger is specially designed for easy wall mounting or stand column installation applications for CCS / CHAdEMO /GBT standard EV DC fast charging. Small size and light weight make it easy to install and move. IP54 protection guarantees sturdy and durable outdoors application. It supports optional 32A AC charging socket and delivers optional portable accessory.



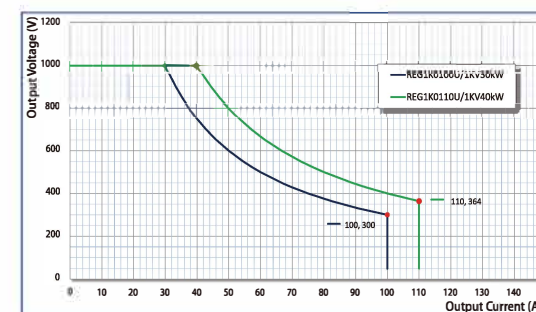
Main Features

- ▶ CCS Type 1 / Type 2 / CHAdEMO / GBT support
- ▶ Optional AC Charging socket support
- ▶ OCPP 1.6 J support with update sw to 2.0, smart charge and power management support
- ▶ Wall mounted , optional stand column installation, optional portable accessory
- ▶ Compatible with 500V and 1000V charging voltage with 30kW constant power from 300V to 1000V
- ▶ IP54, -20℃~50℃ ambient temperature full power charging
- ▶ Full safety function with output contactor and fuse, EPO, SPD, MCB, leakage switch, insulation detector protection
- ▶ RCD-B when configure AC charging socket
- ▶ 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
- ▶ Internal high precision AC energy meter and DC energy meter
- ▶ LAN and optional LTE wireless support, OTA support, RFID authorization and Mobile App payment support

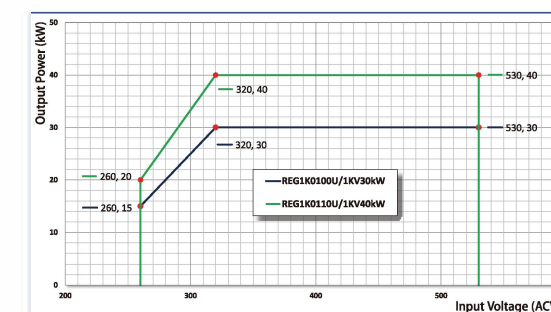
INFY POWER

2022.12 VER:2.0

Output Voltage VS Output Current



Input Voltage VS Output Power



TECHNICAL PARAMETERS

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	
Output DC voltage range	DC 150V-1000V
Max DC output current	100A110A
Max DC output power	30kW40kW
Constant power voltage range	300~1000V364~1000V
Max system efficiency	>95% (Rated input and output)
Optional AC charging output	AC charging socket 32A/3P/22kW
Working environment	
Ambient temperature	-20 ~ +70℃ , full power output below 50℃ , Power derating 5%/℃ above 50℃
Storage temperature	-40 ~ +70℃
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 B ; EN 61851-1/EN 61851-23/EN 61851-24
Protection Class	IP54/IK10
Function and Interface	
HMI	Tempered glass protective 7" TFT Touch Screen LCD , RFID , Power(G) /Alarm(R) /2*Charging(Y) panel LED
Metering	AC and DC energy meter, GB/T 50063-2008 and DL/T 5137-2008 standard, optional VDE and PTB certification type
Monitor interface	OCPP 1.6j , LAN 10M/100M and LTE wireless modem support
Charging Mode	Auto basis, Time basis, Amount basis, Energy basis, SOC basis
Mechanical	
Dimensions(W * H * D mm)	610 * 610 * 270 mm
Weight(Kg)	62Kg (excluding power module, power module is 19kg)
Charging Protection	
Overcurrent protection, Short circuit protection, Overvoltage protection, Undervoltage protection	
Insulation monitoring, Protect Earth connect monitoring	
Reverse polarity protection, Overtemperature protection	
RCDB for AC charging socket configuration protection	
Configuration	
30kW40kW	
Charger module configuration	1 * REG1K0100G/U 30kW1000V charger power module1 * REG1K0110U 40kW1000V charger power module
Charging connector configuration	1 CCS / 1 CHAdemo / 1 GBT / 2 CCS / 1 CCS+ 1 CHAdemo / 1 CCS+ 1 GBT, optional AC charging socket
Charging connector capacity	125A/1000V for CCS, 125A/500V for CHAdemo, 125A/750V for GBT. 32A/22kW for AC