

Introduction

EXP30K2-FDW DC charger is specially designed for easy wall mounting or stand column installation applications for CCS /CHAdeMO standard EV fast charging, small size and light weight, easily to install and move. User friendly interface. IP54 protection, sturdy and durable for outdoor application. Compatible with 500V and 1000V charging voltage with 30kW constant power from 300V to 1000V. Optional 32A AC charging cable or socket configure support. Optional portable accessory.

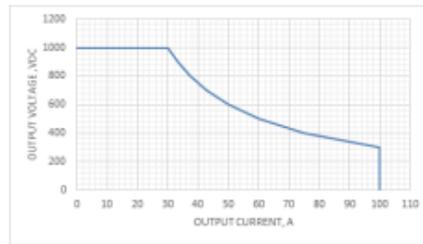


Main Features

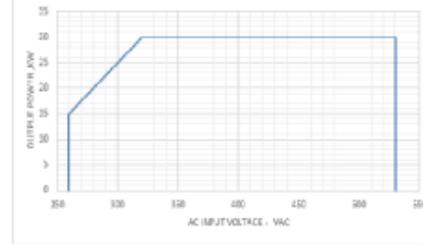
- CCS type1/ type2/ CHAdeMO support
- Optional AC Charging cable or socket support
- OCPP 1.6 J support
- CE EMC Class B
- Wall mounted , optional stand column installation, optional portable accessory
- Compatible with 500V and 1000V charging voltage with 30kW constant power from 300V to 1000V
- IP54, -20°C~50°C ambient temperature full power charging
- Full safety function with output contactor and fuse, EPO, SPD, MCB, eakage switch, insulation detector protection
- RCD-A Main input protection, Optional RCD-B when configure AC charging
- User friendly interface with 7" TFT touch screen LCD
- Multiple charging modes: Auto basis, Time basis, Amount basis, Energy basis, SOC basis



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

DC Voltage accuracy	<±0.5%
Output DC voltage range	DC 150V-1000V
Max DC output current	100A
Max DC output power	30kW
Max system efficiency	>95% (Rated input and output)
Optional AC output	AC charging cable or socket 32A/3P/22kW

Working environment

Ambient temperature	-20 – +70°C , full power output below 50C°, Power derating 5%/C° above 50C°
Storage temperature	-40 – +75°C
Working humidity	0 – 95%
Working altitude	2000 m

Standard

CCS PLC communication	DIN70121 and ISO15118
CHAdemo	CHAdemo V1.2/V2.0
EMC/Safety	Compliant with CE, EN61000-6-3/EN61000-6-1 Class B ; EN 61851-1-2001/EN 61851-21-2001/EN 61851-22-2001
Protection Class	IP54/K10

Function and Interface

HMI	7" TFT Touch Screen LCD, RFID, Power(G) /Alarm(R) /2*Charging(Y) panel LED
Metering	AC energy meter and DC energy meter , GB/T 50063-2008 and DL/T 5137-2008 standard
Monitor interface	Ocpp 1.6J , LAN 10M/100M and optional inner LTE wireless modem support
Charging Mode	Auto basis, Time basis, Amount basis, Energy basis, SOC basis

Mechanical

Dimension (W * H * D mm)	610 * 590 * 270 mm
Weight (Kg)	70 Kg

Charging Protection

Overcurrent protection, Short circuit protection, Overvoltage protection, Undervoltage protection
Insulation monitoring, Protect Earth connect monitoring
Reverse polarity protection, Overtemperature protection
RCD A, optional RCD B protection

Configuration

Charger module configuration	1 1000V30kW charger power module
Charging connector configuration	1 CCS / 1 CHAdemo / 2 CCS / 1 CCS+1 CHAdemo, optional AC charging cable or socket,
Charging connector capacity	125A/1000V for CCS, 125A/500V for CHAdemo, 32A/3P/22kW for AC