

GreenFlow DC Charger

Three Phase / Floor Mounted / 240 kW / 480 kW

Integrated PV-ESS-Charging Solution

Independent EMS platform developed by KSTAR could create an integrated system solution involving all KSTAR devices

Dual-connector HPC

Dual-connector supports simultaneous charging with an ultra-high output power

Dynamic Load Management

Dynamic load management and balancing are supported since the overload can be effectively avoided via EMS platform

3rd-party Charging Management System

Integrate with mainstream backend platform to provide various functions with easy operation



CATEGORY	CDA24D	CDA48D
General Info		
Dimensions (W x H x D)	850 × 2200 × 650 mm	850 × 2200 × 850 mm
Cable Length	5 M (7 M is optional)	
Input Performance		
Power Supply	L1+L2+L3+PE+N	
Rated Voltage	400 V AC ±10%	
Frequency	45 ~ 65 Hz	
Output Performance		
Output Voltage	150 ~ 1000 V DC	
Output Current	Rated 350 A (boost 500 A)	Air cooling: Rated 350 A (boost 500 A) Liquid cooling: Rated 500 A (boost 650 A)
Rated Power	120 kW / 160 kW / 180 kW / 240 kW	300 kW / 320 kW / 360 kW / 400 kW / 480 kW
Charging Module	30 kW / 40 kW	30 kW / 40 kW
Connector Type	CCS2+CCS2	
HMI		
LED Indicator	RGB LED	
LCD Display	15.6" display with 4 buttons	
Emergency Stop	Yes	
Communication		
Payment Method	RFID Card / QR Code / POS Terminal	
PLC Communication	DIN70121 and ISO15118	
Ethernet	Yes	
Wi-Fi and 4G	Yes	
OCCP	OCCP 1.6 J	
Electrical Parameters		
Efficiency	Max 96%	
THD	≤ 5% (100% load)	
Power Factor	≥ 0.99 (50% ~ 100% load)	
Ripple Factor	≤ ±1%	
Noise Emission	≤ 65 dB	
EMC Compliance	Class A	
Safety		
Energy Meter	Class B (±1% accuracy) with MID certified	
Protection Rating	IP54	
Impact Resistance	IK10	
Electrical Protection	Over voltage protection, under voltage protection, overload protection, short circuit protection, open circuit protection, leakage protection, grounding protection, over temperature protection, lightning protection	
Working Environment		
Installation	Floor mounted on plinth or base	
Working Temperature	-30°C ~ +75°C (full power output below 55°C; power derates above 55°C; system will shutdown above 75°C)	
Storage Temperature	-40°C ~ +80°C	
Humidity	5% ~ 95%	
Altitude	≤ 2000 m	