

# GreenFlow DC Charger

Coming Soon

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

## Dynamic Load Management

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

## Dual-connector HPC

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

## 3rd-party Charging Management System

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



CATEGORY	CDA24D	CDA48D
<b>General Info</b>		
Dimensions (W x H x D)	850 × 2200 × 650 mm	850 × 2200 × 850 mm
Cable Length	5 M (7 M is optional)	
<b>Input Performance</b>		
Power Supply	L1+L2+L3+PE+N	
Rated Voltage	400 V AC ±10%	
Frequency	45 ~ 65 Hz	
<b>Output Performance</b>		
Output Voltage	150 ~ 1000 V DC	
Output Current	Rated 380 A (boost 500 A)	Air cooling: Rated 380 A (boost 500 A) Liquid cooling: Rated 500 A (boost 650 A)
Rated Power	240 kW	480 kW
Charging Module	40 kW * 6 pcs	40 kW * 12 pcs
Connector Type	CCS2+CCS2	
<b>HMI</b>		
LED Indicator	RGB LED	
LCD Display	15.6" display with 4 buttons	
Emergency Stop	Yes	
<b>Communication</b>		
Payment Method	RFID Card / QR Code / POS Terminal	
PLC Communication	DIN70121 and ISO15118	
Ethernet	Yes	
4G	Optional	
Ocpp	Ocpp 1.6 J	
<b>Electrical Parameters</b>		
Efficiency	Max 96%	
Load and Charging Management	Smart and dynamic allocation of power modules and distribution of charging power to connector	
THD	≤ 5% (100% load)	
Power Factor	≥ 0.99 (50% ~ 100% load)	
Ripple Factor	≤ ±1%	
Noise Emission	≤ 65 dB	
EMC Compliance	Class A	
<b>Safety</b>		
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	
<b>Working Environment</b>		
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	