Versatile

120-240kW All-In-One DC Charger

DCFC EV Charging

The 120-240kW All-In-One DC chargers deliver fast, versatile charging up to 500A, depending on configuration, while supporting simultaneous charging for two vehicles. Built for durability and easy serviceability, it features a HD touchscreen for easy customer interaction and usage.

FAST • ACCESSIBLE • COMPACT

The 120-240kW All-In-One chargers provide up to 500A, with boost. They support simultaneous charging for two vehicles, maximizing efficiency, and reducing wait times. The sleek design includes a 15” LCD screen that offers customers an easier charging process. With OCPP 1.6J, and multiple data connectivity options, including Wi-Fi, Ethernet and 4G, they integrate seamlessly with backend systems and payment solutions. The 120-240kW All-In-One chargers are designed for quick and easy maintenance and are applicable for diverse deployment scenarios.

Image 1: 120, 160kW units

Image 2: 240kW unit

Features

- Single or dual cable design
- Up to 120kW, 160kW or 240kW power configurations
- Seamless data connection via Ethernet, Wi-Fi or 4G
- ISO 15118 hardware ready
- 15” HD Touchscreen interface for easy user interaction
- Durable and accessible design for easy maintenance
- CCS1 and NACS cables available

*Actual charging speeds may vary based on environmental and other factors and are not guaranteed
The product image shown is for illustration purposes only and may not be an exact representation of the product.

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Sinexcel 120-240kW All-In-One DC Charger

ELECTRICAL	120kW	160kW	240kW
Input Voltage	480VAC +/- 10%	480VAC +/- 10%	480VAC +/- 10%
Input Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Input Type	3P + PE	3P + PE	3P + PE
Input AC Current (FLA)	75A	150A	170A
Input Power	128kW	170kW	258kW
Power Factor	≥0.99	≥0.99	0.99
THDi	≤5%	≤5%	≤5%
Connector Options	CCS1, NACS	CCS1, NACS	CCS1, NACS
Output Voltage	200-1000V	200-1000V	50-1000 Vdc 300~1000V is the output voltage of constant power output.
Maximum Output Current	CCS1 up to 120kW NACS up to 120kW	CCS1 up to 350A (500A Boost) NACS up to 350A (400A Boost)	CCS1: 200A, 300A Optional NACS: 200A, 300A Optional
Rated Power	160kW	160kW	240kW
Peak Efficiency	≥96%	≥96%	≥96%

USER INTERACTION & COMMUNICATION	
Connectivity	Wi-Fi, Ethernet, 4G
User Authentication	Credit Card, RFID
ISO 15118 Plug & Charge	Hardware Ready
DIN 70121	Yes
Interface	15” HD Touchscreen
Accessible for Wheelchair ADA	Yes
Communication Protocol	OCPP 1.6J, OCPP 2.0J (Coming soon)
RFID Reader	RFID Reader (ISO 14443 & ISO 15693)
Remote Management	Remote Access, Diagnostics, Software Updates
Emergency Button	No

FUNCTIONAL	120-160kW	240kW
Operational Altitude	<6562ft (2000m)	
Operating Temperature	-22 to 149°F(-30 to 60°C)	-13°F-122°F(-25 °C to +50 °C) (Full power)
Temperature Derating	Up to 122°F (50 °C)= Full output 100% 122°F-149°F(50-65 °C) = Derating	Up to 122°F(50 °C): 100% output power, 122°F-149°F(50-65 °C) interval, linear power limit, 149°F(65 °C) or more, module shutdown protection.
Storage Temperature Range	-58 to 176°F (-50°C to 80°C derate)	-22°F-158°F(-30 °C to +70 °C)
Humidity	5%-95% Rh non-condensing	
IP & IK Rating	NEMA 3R, IK10	NEMA 3R, IP55
Dimensions	1900 x 850 x 580mm	(800-918) x 750 x 2000mm
Weight	362kg	480kg
Enclosure Material	Hot-dip Galvanised Sheet	
Standard Cable Length	16.4ft (5m)	
Cable Management	Arm Type	
Cooling Method	Air Cooled	

Sinexcel 120-240kW All-In-One DC Charger

FUNCTIONAL	120-160kW	240kW
EMC	Class A (industrial)	
Protection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over temperature protection, Surge Protection Device, Emergency Stop Protection, Ground Fault Detection	Undervoltage protection, Overvoltage protection, DC Overcurrent protection, Over temperature protection, Surge Protection Device, Emergency Stop Protection
CERTIFICATIONS		
Standards & Certifications	UL 2202:2022, UL 2231:2022, OCA OCPP 1.6 (2.0.1 Coming Soon), CSA C22.2 No.346:2022, FCC Part 15 Subpart B:2021, Energy Star, CTEP & NTEP	UL 2202:2022, UL 2231:2022,cTUVus, FCC Part 15, Energy Star, CTEP & NTEP