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	L1+L2+L3+PE	L1+L2+L3+PE	3P + PE
Input AC Current (FLA)	150A	200A	300A
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		

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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	
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