XY DC–EC240 Series

Integrated DC Fast Charger

The XY DC-EC240 Series delivers flexible 80–240 kW DC charging for commercial and public charging applications. Its modular power architecture and dual-connector design provide efficient power distribution, flexible charging, and reliable performance across a wide range of charging scenarios.

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Key Features

Output Power	80-240 kW
Connector	CCS1, CCS2, GB/T, NACS, CHAdeMO
Communication	Wi-Fi / LAN / 4G (optional)
Mounting	Floor Standing
Max. Number of Connectors	2

Technical Specifications

Input Voltage	400 Vac ±15%
Output Voltage	200–1000 Vdc
Max. Output Current	300 A / Connector
Display	10.1'' Color Touch Screen
Protection Level	IP54 (IP55 Optional)

Model	XY DC-EC240-80KW	XY DC-EC240-120KW	XY DC-EC240-160KW	XY DC-EC240-200KW	XY DC-EC240-240KW
Input					
Voltage Range			400Vac ± 15%		
Rated Current	121 A	182 A	243 A	303 A	364 A
Rated Frequency			50/60Hz		
Power Factor			>0.99		
Output					
Max Power	80 kW	120 kW	160 kW	200 kW	240 kW
Voltage Range			200 - 1000 Vdc		
Voltage Range in Constant Power Mode			300 - 1000 Vdc		
Current Range	2-266 A	5-399 A	5-500 A	5-500 A	5-500 A
Max Output of a Single Connector	250 A	250 A	250 A	300 A	300 A
System					
Peak Efficiency			≥95%		
Power Module	40 kW	40 kW	40 kW	40 kW	40 kW
Ripple Coefficient			<0.5		
Current Sharing Coefficient			<5%		
Stabilized Voltage Precision			<0.5%		
Stabilized Current Precision			<1%		
THDi			≤5%		
Protocol			OCPP 1.6J, OCPP2.0 (Optional)		
Customer Interface					
Display			10.1'' color touch screen		
Type of Connector			CCS2		
Max Number of Connectors			2		
Connector Communication Mode			In accordance with DIN 70121 and ISO 15118 standard		
Safety					
Optimized Power Module for Better Integration			Customized charging mode to prevent the misoperation of human factor		
Interface Safety Protection			Circuit discharge function, Insulation monitoring device (IMD), Battery reverse connection protection		
Ingress Protection Rating			IP54 (IP55 Optional)		
Protection			Short circuit protection, Over/under voltage protection, Voltage/current limitation protection, Overheat protection, SPD, Plug temperature monitoring function, Circuit contactor adhesion protection		
Emergency Stop			Disconnect the charger and EV to prevent emergency incidents		
Certification Standard			IEC 61851, IEC 62196, DIN 70121, ISO 15118		
Environment					
Installation			Floor Standing		
Noise			≤65 dB		
Operating Temperature Range			−25 to +50 °C (>50 °C derating)		
Relative Humidity			5% - 95% (No condensation)		
Cooling			Intelligent Air-cooling		
Operating Altitude			2000m (Derate from 2000m to 3000m)		
Dimension (Connectors not included)			W × H × D: 850×2000×600 mm		
Net Weight	≈220 kg	≈270 kg	≈270 kg	≈340 kg	≈340 kg