XY DC–EYU Series

Integrated DC Fast Charger

Designed for overseas markets, this integrated DC charger combines wide constant-power charging, MID-certified metering, multi-card access, and multi-standard communication. With up to 400 kW output, it is ideal for heavy-duty vehicles and high-power fast charging.



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Key Features

Output Power	320-400 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	7” HD Anti-Glare LCD Display
Protection Level	IP54 (IP55 Optional)

Model	XY DC-EYU-320	XY DC-EYU-400
Input		
Voltage Range	400Vac ± 15%	
Rated Current	491 A	614 A
Rated Frequency	50/60Hz	
Power Factor	>0.99	
Output		
Max Power	320 kW	400 kW
Voltage Range	200-1000 Vdc	
Voltage Range in Constant Power Mode	300-1000 Vdc	
Current Range	2-200 A	2-400 A
Max Output of a Single Connector	300 A	300 A
System		
Peak Efficiency	≥95%	
Power Module	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	
Customer Interface		
Display	Type: 7" HD Anti-Glare LCD Display; Operating Temperature Range: −20 to +70°C; Brightness: >1500 nits; Contrast: 1200:1; Interface: Capacitive 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)	
Impact Protection	Cabinet IK10, Screen IK08	
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	
Certification	UKCA, CE, CB	
Environment		
Installation	Floor Standing	
Noise	≤65 dB	
Operating Temperature Range	−30 to +50 °C (>50 °C derating)	
Relative Humidity	5% - 95% (No condensation)	
Cooling	Intelligent Air-cooling	
Operating Altitude	2000 m (Derate from 2000 m to 3000 m)	
Dimension (Connectors not included)	W × H × D: 900*2285*900 mm	
Net Weight	≈700 kg	≈730 kg