XY DC–EEC1–30 Series

Wall-mounted DC Fast Charger

With over 96% system efficiency, smart load management, it delivers adaptable charging for a wide range of applications. The 10.1-inch touchscreen, RFID authentication, IP65 and IK10 protection, and remote Operations & Maintenance capabilities provide a convenient, secure, and reliable charging experience.



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Key Features

Output Power	30 kW
Connector	CCS1, CCS2, GB/T, NACS, CHAdeMO
Communication	Wi-Fi / LAN / 4G (optional)
Mounting	Wall-mounted/ Floor Standing
Max. Number of Connectors	1

Technical Specifications

Input Voltage	400 Vac ±15%
Output Voltage	150–1000 Vdc
Max. Output Current	100 A / Connector
Display	10.1" HD Anti-Glare LCD Display
Protection Level	IP65

Model	XY DC-EEC1-30
Input	
Voltage Range	400 Vac ± 15%
Rated Current	46 A
Rated Frequency	50/60 Hz
Power Factor	>0.99
Output	
Max Power	30 kW
Voltage Range	150-1000 Vdc
Voltage Range in Constant Power Mode	300-1000 Vdc
Current Range	0-100 A
Max Output of a Single Connector	100 A
System	
Peak Efficiency	≥96%
Power Module	30 kW
Stabilized Voltage Precision	<0.5%
Stabilized Current Precision	<1%
THDi	≤5%
Protocol	OCPP 1.6J, OCPP2.0
Customer Interface	
Display	Type: 10.1" 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	1
Connector Communication Mode	In accordance with DIN 70121 and ISO 15118 standard
Cable Length	5.5 m
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	IP65
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	CE, CB, UL
Environment	
Installation	Floor Standing
Noise	≤65 dB
Operating Temperature Range	−30 to +50 °C
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: 672×682×229 mm
Net Weight	≈62 kg