XY DC–EH960 Series

Integrated Charging Stack

The EH Series split-type DC fast charging station decouples the high-power conversion unit from the charging terminals, allowing for centralized power management and distributed charging points. This architecture enables efficient deployment across large parking areas, optimizing space and power distribution.



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Key Features

Output Power	480-960 kW
Connector	CCS1, CCS2, GB/T, NACS, CHAdeMO
Communication	Wi-Fi / LAN / 4G (optional)
Mounting	Floor Standing
Max. Number of Connectors	16

Technical Specifications

Input Voltage	400 Vac ±15%
Output Voltage	200–1000 Vdc
Max. Output Current	500 A / Connector
Display	7'' Color Touch Screen
Protection Level	IP54

Cabinet Parameters

Basic index			
Model	XY DC-EH480-8F-480KW	XY DC-EH720-12F-720KW	XY DC-EH960-16F-960KW
Rated Power	480 kW	720 kW	960 kW
Max Number of Access Terminals	8	12	16
Cooling Method	Fan cooling		
Dimensions (WxDxH)	1000X900X 1900mm	1500X900X 1900mm	2000X950X 1900mm
Net Weight	980 kg	1250 kg	1420 kg
Input			
Voltage	400 VAC±10%, 3L+N+PE		
Frequency	45 Hz-65 Hz		
Rated Current	732 A	1280 A	1464 A
Power Factor	≥0 .99		
ITHD	≤5%		
Output			
Ouput Voltage	200-1000 Vdc		
Constant Power Range	300-1000 Vdc		
Max Efficiency	> 95%		
Output Voltage Error	≤±0.5%		
Output Current Error	≤±1%		
Voltage Stabilized Accuracy	≤±0.5%		
Current Stabilized Accuracy	≤±1%		
Peak-peak Ripple	≤±1%		
Environment			
Operating Temperature	−25 to +50 °C		
Storage Temperature	−40 to +75 °C		
Operating Environment	Indoor or outdoor (IP54)		
Humidity	5~95%RH, non-condensing		
Altitude	2000m no derating required; >2000m, the working temperature decreases by 1 ° C for every 100m rise		

Dispenser Parameters

Basic index		
Model	XY DC-EH250-2F	XY DC-EH500-1F
Rated Power	250 kW	500 kW (Max 600kW)
Max Number of Plug	2	1
HMI	7'' color touch screen	
Back-end Communication	Ethernet / 4G; OCPP1.6J, OCPP2.0	
EVSE	PLC (DIN70121: 2014-12/ISO15118)	
Start-up Method	IC Card/ APP (optional)	
Dimensions (WxDxH)	450x275x1530 mm	550x335x1530 mm
Net weight	130 kg	140 kg
Output		
Ouput Voltage	200-1000 Vdc	
Constant Power Range	300-1000 Vdc	
Cooling Method	Fan cooling	Liquid cooling
Plug Type	CCS2 + CCS2	CCS2
Max Current Per Plug	250 A	500 A
Energy Metering	DC metering (CE)	
Cable Length	5 m (customized)	
Max Efficiency	>95%	
Output Voltage Error	≤±0.5%	
Output Current Error	≤±1%	
Voltage Stabilized Accuracy	≤±0.5%	
Current Stabilized Accuracy	≤±1%	
Peak-peak Ripple	≤±1%	
Environment		
Operating Temperature	−25 to +50 °C	
Storage Temperature	−40 to +75 °C	
Operating Environment	Indoor or outdoor (IP55)	
Humidity	5~95%RH, non-condensing	
Altitude	2000m no derating required; >2000m, the working temperature decreases by 1°C for every 100m rise	