360-720kW Split Type DC Fast Charger

Product Description

The YLUXS series split-type charger system boasts a power range spanning from 360kW to 720kW, supporting 8 to 16 output channels. Utilizing star-ring power distribution technology, the system significantly enhances the utilization efficiency of charging power through single-module multi-path allocation. It supports a full suite of interfaces including CCS1, CCS2, CHAdeMO, and GBT, catering to diverse charging needs worldwide. Additionally, it offers flexible combinations of air-cooled fast charging terminals and liquid-cooled super charging terminals. With its efficient and stable performance, the system provides users with reliable charging solutions, comprehensively meeting the complex and varied application scenarios of the future.

Power Modules and System Configuration
- The power cabinet employs a 40kW EMC class B power module, customized according to IEC standards to meet overseas charging requirements.

Multi-Interface Compatibility
- The charging terminal supports CCS1, CCS2, CHAdeMO, and GBT charging interfaces.

Intelligent Power Allocation
- Star-ring flexible power allocation enables intelligent scheduling of charging across modules, enhancing efficiency and system stability.

User-Friendly Appearance and Operational Design
- The excellent exterior design, combined with ergonomic operation, makes the equipment easier for customers to use and maintain.

High-Performance Output
- It can be paired with a liquid-cooled supercharging terminal, with a rated current of 500A and a maximum output of 600A, satisfying ultra-high-power charging demands.

International Certification Support
- The product has obtained CE, CB, UKCA, RoHS certifications, ensuring high-quality standards in the international market.

Application Scenarios

Taxi,online-hailing cars
Public charging station
Customized shuttle bus
Enterprises and institutions
Bus
Residence community
Freight vehicles
Special vehicles
Commercial complex

Item		Cabinet Parameters		
Basic index				
	Model	YLUXS360KE	YLUXS480KE	YLUXS720KE
	Rated power(kW)	360	480	720
	Max number of access terminals	8	12	16
	Cooling method	Fan cooling		
	Dimensions (WxDxH)	1100X750X2050mm	1450X750X2050mm	2220X750X2050mm
	Weight (KG)	630	780	1260
Input				
	Voltage	400VAC±10%,3P+N+PE		
	Frequency	45Hz-65Hz		
	Rated current	553A	737A	1105A
	Power factor	⩾0.99		
	ITHD	⩽5%		
Output				
	Ouput voltage	200-1000Vdc		
	Constant power range	300-1000Vdc		
	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	-30 ~ +50°C		
	Storage temperature	-40 ~ +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		

Item		Terminal Parameters			
Basic index	Model	YLUXT300KE	YLUXT300KEJ	YLUXT300KEU	YLUXT500KEL
	Rated power(kW)	300kW			500kW(Max600kW)
	Max number of plug	2			1
	Charging gun cable assistant	Support			
	HMI	7-inch color touch screen			
	Back-end communication	Ethernet/4G;OCPP1.6J,OCPP2.0(upgradable)			
	EVSE	PLC(DIN70121:2014-12/ISO15118)			
	Start-up method	IC Card/Credit Card/Scan QR code(optional)			
	Certification	CE、CB、UKCA、RoHS			
	Dimensions (mm)(WxDxH)	500X250X1950			500X250X2000
	Weight(KG)	155 (dual) /130 (single)			140
Output	Ouput voltage	200-1000Vdc			
	Constant power range	300-1000Vdc			
	Cooling method	Fan cooling			Liquid cooling
	Plug type	CCS2+CCS2	CCS2+CHAdeMO	CCS2+CCS1	CCS2
	Max current per plug	CCS2:300A	CCS2:300A CHAdeMO:125A	CCS2:300A CCS1:300A	CCS2:500A(Max600A)
	Energy metering	DC metering (CE)			
	Cable length	5m(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	-30 ~ +50°C			
	Storage temperature	-40 ~ +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			