

DC Charger Series

YTY is a new generation of integrated DC constant power fast EV Charger with system built-in 30/40kW constant power charging module and a highest output voltage of 1000V, suitable for all kinds of vehicle charging requirements. The module adopts isolated glue-filling design with high reliability in all kinds of harsh environment scenarios. The system is compatible with 180~240kW power allocation, supporting single gun, double gun, smart power distribution, and compatible with multi-pile ring network parallel to realize smooth upgrading, suitable for all kinds of public and special charging stations.

All-in-one DC Charger -YTY (180~240kW)



Features

■ Professional heat dissipation design

- Scientific ventilation scheme is adopted to ensure the ventilation volume of the module, control the internal temperature, and improve the efficiency and stability of the module.

■ Stable and reliable

- The positive and negative busbars are equipped with DC contactors and negative fuses, supporting emergency stop protection buttons, input surge protector, leakage circuit breakers, grounding and insulation detection and monitoring safety protection devices, and software&hardware dual protection functions.

■ Double waterproof

- Power distribution and control adopts double chamber design while inlet and outlet airflow adopts labyrinth design with double waterproof and dustproof capability.

■ Ordered charging

- Real-time monitoring of upstream dynamic data, smart analysis of distribution capacity, millisecond response to dispatching power demand, perfect solution to the pain point of transformer capacity shortage during peak power consumption.

■ Wide voltage range

- Support 200V-1000V DC charging output, 300V-1000V constant power charging output, suitable for all kinds of passenger cars and large vehicles.

■ Active protection

- Deep interaction with vehicle BMS is different from the "blind charging" state of the traditional charger, and the charger actively participates in the monitoring of the charging process to ensure multi-party safety and provide effective protection.

■ Compatible with latest and previous national standards

- Good compatibility and adaptability, support new and old national standards; BMS auxiliary power supply 12V/24V optional, suitable for different vehicle requirements.

■ No need to debug

- Smart interconnection, compatible with national standards, stable without debugging.

Technical Parameters

Model		YTY180GBAG1	YTY240GBAG1
Product specification		180kW	240kW
AC input	power supply mode	Three-phase five-wire system	
	Input voltage	380Vac±15%	
	Input frequency	45~65Hz	
	Power factor	0.99	
DC output	Output voltage range	200~1000V	
	Output constant power range	300~1000V	
	Output current	500A (Single gun: 250A)	500A (Single gun: 250A)
	System efficiency	≥95%(Above half load power)	
Operating environment	Operating temperature	-25~+50°C full load output	
	Relative humidity	5%~95%, RH	
	Altitude	≤2000m	
	Noise	≤65dB	
	HCI	7 inch touch color screen	
Basic information	Cable Length	4m	
	Dimensions (W*D*H)	750*600*1900mm	
	Ingress protection	IP54	
	Background communication	Ethernet、4G module(Optional)	
	Qty.charger	1/2	
	Auxiliary power supply	12V/24V(Optional)	
	Power distribution function	Smart power distribution	
	Starting charge mode	Swipe card, scan code, VIN	
	Energy saving optimization	Support AC contactor	
Safety protection	Protection function	Over voltage protection, under voltage protection, overload protection, short circuit protection, grounding protection, lightning protection, insulation monitoring protection, polarity reverse connection protection, Overvoltage protection, over charge protection, over temperature protection, emergency stop protection, open door protection, Micro-break leakage protection	

■ Product continues to iterate, specifications may be updated without prior notice.

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