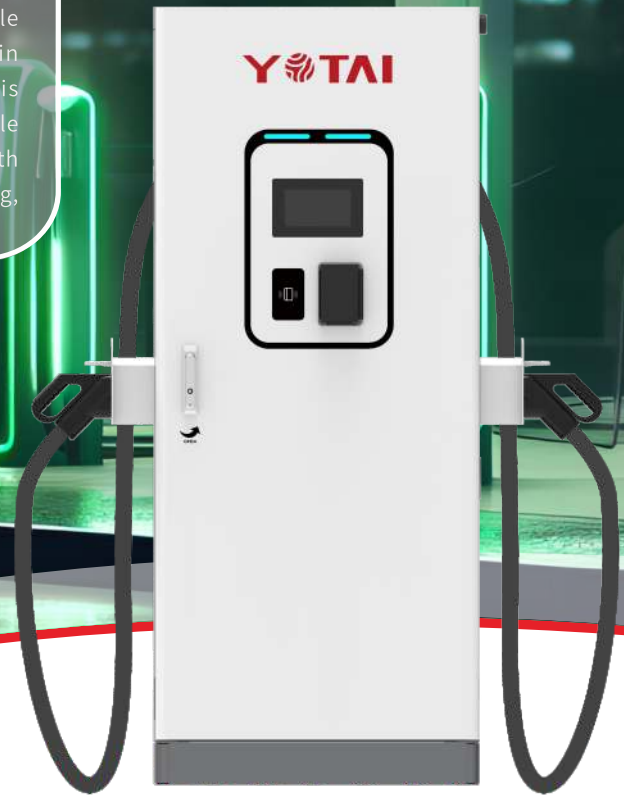


DC Charger Series

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 120~160kW 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 (120~160kW)



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.

■ No need to debug

- The charging piles are compatible with all common vehicle types on the market.

■ 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.

■ Conforms to the Latest TR25:2022 Standard

- Excellent compatibility and adaptability, having obtained CE, CB, and TR25 certifications, make it suitable for meeting the charging pile requirements in both Europe and Singapore.

Technical Parameters

Model		YTY120CEAG1	YTY160CEAG1
Product specification		120kW	160kW
AC input	Power supply mode	Three-phase five-wire system	
	Input voltage	AC 400±10%	
	Input frequency	50~60Hz	
	Power factor	0.99	
	THDi	<5%	
DC output	Output voltage range	200~1000V	
	Output constant power range	300~1000V	
	Output current (Each Connector)	200A、300A、(400A Optional)	
	System efficiency	≥95%(half load rate)	
Operating environment	Operating temperature	-20~+50°C	
	Relative humidity	5%~95%, RH	
	Altitude	≤2000m	
	Noise	≤68dB	
	HCI	7 inch LCD Touch Screen	
Basic information	Cable Length	4m standard; 5m or 7m Optional	
	Dimensions (W*D*H)	750*540*1800mm	
	Ingress protection	IP54	
	Background communication	Ethernet、4G module(Optional)	
	Certification	CE, CB, TR25	
	Software update	OTA Update Via Web Portal	
	Starting charge mode	APP, RFID card, QR code, Credit Card (Optional)	
	Communication protocols	OCPP1.6J	
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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