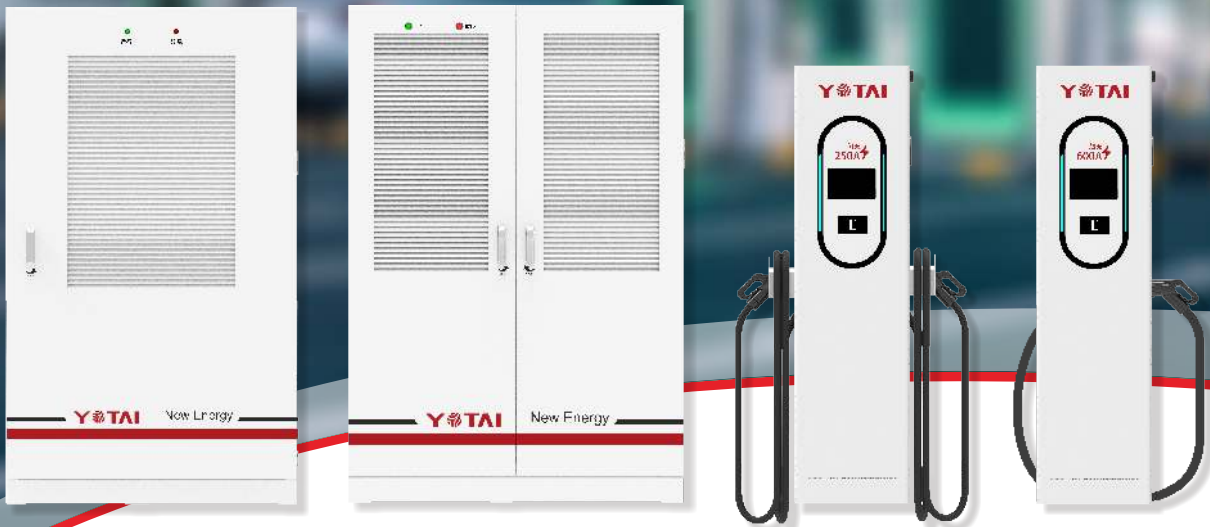


Split DC EV Charger Series - YTS-480 (360/480kW)

Product Introduction

YTS-480 is a split high power charging system designed for high power charging stations, which adopts a power supply cabinet with 8 double gun charging terminals, a total of 16 outputs with 360-480kW rated power, built-in isolated glue-filling charging module ensuring high reliability. The charging terminal can be equipped with a conventional 250A output charging terminal or a liquid-cooling 600A charging terminal. The rectifier cabinet adopts a single-module solution for smart power distribution among power units to improve the utilization rate of charging parking spaces and power of charging stations, suitable for all kinds of application scenarios.



Features

■ Adjustable power

- The charging power unit adopts modular design for flexible expansion; Single-module scheduling supports full matrix power allocation.

■ Stable and reliable

- Complete configuration of positive and negative bus DC contactor and safety, protection switch, input surge protector, leakage switch, grounding and insulation monitoring and safety protection devices with multiple protection functions and logic in software and hardware.

■ Air-cooling&liquid-cooling optional

- It can be equipped with 250A conventional double-gun charging terminal as standard or 600A liquid-cooling charging terminal as optional. Power units are connected through a ring network so as to achieve a single gun output of 250kW or 480kW.

■ 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.

■ Flexible charge

- The output power of each charging pile can be dynamically distributed according to the demand of the vehicle power battery, to realize the flexible scheduling of the output power.

■ 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		YTS360GBAG1	YTS480GBAG1
Product specification		360kW	480kW
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	1200A	1600A
	Normal fast charging	250A (Single-gun fast charger)	
	Liquid-cooling superfast charger	600A (Single-gun liquid-cooling charger)	
	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	Cable length of fast charger :4m Cable length of liquid-cooling charger:3.5m	
	Dimensions (W*D*H)	Charging host: 1200*750*2050 mm (Support one liquid-cooling) Charging host: 1350*750*2050 mm (Support two liquid-cooling)	
		Fast charger (single/dual-gun): 450*220*1700 mm	
		liquid-cooling superfast charger (single-gun): 450*220*1700 mm liquid-cooling fast charger(dual-gun): 550*270*1700 mm	
	Ingress protection	IP55	
	Background communication	Ethernet, 4G module(Optional)	
	Qty.charger	2~12	
	Auxiliary power supply	12V/24V(Optional)	
	Power distribution function	Full matrix flexible allocation	
	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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