

TTC series charger

This series of products adopts a new generation of intelligent digital power modules with high integration, combining the switch power supply, control board, and charging module into one unit. This integrated design makes the assembly of the charger very simple and also very convenient for after-sales maintenance, thereby reducing labor costs.



EFFICIENT CONVERSION EFFICIENCY

The new generation of intelligent digital power modules can maintain optimal conversion efficiency at various input voltages and load points, with peak efficiency exceeding 95%, ensuring that the charger always operates in the optimal load range.

RESERVATION CHARGING

Energy-saving and more efficient

MULTIPLE PROTECTION LEVELS

Input overvoltage protection, undervoltage alarm;
Output overvoltage and overcurrent protection;
Output insulation detection and grounding protection

LARGE SCREEN DISPLAY

Convenient operation with a high level of visualization

REMOVABLE MODULE DESIGN

Easy for future maintenance with stable performance

VARIOUS COMMUNICATION INTERFACES

Communication through RS485, Ethernet, CAN

Technical parameters

Model	TTHC 48V	TTHC 80V	TTHC 96V
System Input Characteristics			
Ac Input Voltage	380Vac/400Vac/480Vac		
Power Supply	Three-phase four-wire (3P+PE)/Three-phase five-wire(3P+N+PE)		
Ac Network Frequency (HZ)	50~60Hz		
Stand-by Power Consumption	≤50W		
Leakage Current	<3.5mA		
Start-Up Surge Current	Less than 10% of the rated input current		
System Output Characteristics			
Output Voltage	40Vdc~60Vdc	40Vdc~100Vdc	40Vdc~110Vdc
Output Current Range	5A~200A		
Output Power (kW)	6kW~20kW		
Voltage Regulation Accuracy	≤±0.5%		
Current Regulation Accuracy	≤±1%		
Ripple Voltage	≤±1%		
Efficiency	≥93%		
Overload Capacity	110% of rated power		
Communication Interfaces	RS485 interface/CAN interface		
Protection Functions			
Battery Reverse Polarity Protection	Yes		
Output Short Circuit Protection	Yes		
Output Overvoltage/Overcurrent Protection	Yes		
Overtemperature Protection	Output shuts down if internal temperature is larger than 65°C		
Abnormal Protection	Shuts down with no output if power device anomaly occurs		
Other Parameters			
Protection Level	IP20		
Overvoltage Category	OVC III		
Operating Temperature	-20°C to +65°C (derated output from 45-65°C)		
Storage Temperature	-40°C~+75°C		
Relative Humidity	5~95%, non-condensing		
Altitude	Full load output up to 2000m		
Charger Dimensions	500*300*600mm (L*W*H)		
Product Weight	45kg		
Cooling Method	Air cooling		