

TE186/200K-HV String PCS



High Reliability

- IP code: IP66, Anti-corrosion grade: C5
- High overload capacity
- Strong anti-interference ability

High Availability

- Compatible with 0.25C~1C discharge rate by parallel connection
- Side junction box design, convenient installation

High Cost Performance

- Discharge capacity increased by over 7%, High conversion efficiency
- Low initial investment and operation and maintenance costs anti-interference ability

High Intelligence

- Multi-machine coordinated control, Intelligent power distribution
- Fast power scheduling, primary frequency modulation
- Analysis of battery internal
- Analysis of battery internal resistance

Technical Parameters

TBEA

Product		
Specification	TE186K-HV	TE200K-HV
DC Side		
Max. DC Voltage	1500V	
Full Load Voltage Range	1000-1500V	
Number Of Input Routes	1	
Stabilized Current Precision	±3% (constant current charge)	
Current Ripple	≤3% (constant current charge)	
Stabilized Voltage Precision	±2% (constant voltage charge)	
Voltage Ripple	≤2% (constant voltage charge)	
Insulation Impedance Test	Yes	
AC Side		
Rated Power	186kW	200kW
Max. Apparent Power	204.6kVA	220kVA
Rated AC Current	156A	167A
Maximum Current	171A	183A
Overload Capacity	long term at 1.1 times, 10min at 1.2 times	
AC Wiring Mode	3Ph+PE	
Grid Connected Operation		
Rated Grid Voltage	690V	
Allowable Grid Voltage Range	0.85pu-1.1pu (can be set)	
Rated Grid Frequency Range	50/60Hz	
Allowable Grid Frequency Range	10%	
DC Current Component	<0.5%	
THDI	<3% (at rated power)	
Power Factor	>0.98 (more than half load)	
Adjustable Range of Power Factor	-1 (lagging)~1 (leading)	
Island Operation		
Rated Output Voltage	690V	
THDU	<3% (linear load)	
Rated Output Frequency	50/60Hz	
Load Trip Voltage Range	< 10%	
Unbalance Of Output Voltage	2% (normal) / 4% (short time)	
System		
Max. Efficiency	99%	
IP Code	IP66	
Anti-corrosion Grade	C4/C5	
Noise	<75dB@1m	
Cooling Method	Smart forced air cooling	
Operating Temperature	-35°C~60°C (11 times of long-term operation at 45°C, no derating below 50°C)	
Storage Temperature	-40°C~70°C	
Relative Humidity	4%-100% (no condensation)	
Max. Operating Altitude	4000m	
Standard Communication	RS485/CAN (MODBUS-RTU, CAN2.0B)	
Dimensions (W×D×H)	880*820*360	
Weight	< 100kg	