

TE2750 / 3450KT-CD

String Converter Booster Integrated Machine



Technical Parameters

TBEA

Product		
Specification	TE2750KT-CD	TE3450KT-CD
DC Side		
Max. DC Voltage	1500VDC	
Full Load Voltage Range	1000 ~ 1500VDC	
DC Access Number	14	18
Max. DC Power	208.8kW*14	208.8kW*18
Max. DC Current	208.8A*14	208.8A*18
AC Side		
Rated AC Output Power	2604kW	3348kW
Max. AC Output Power	2864.4kW	3682.8kW
AC Wiring Mode	Three-phase and three-wire (IT system)	
Rated Grid Voltage	37kV±2.5%	
Transformer Voltage Ratio	37 / 0.69kV	
Rated Transformer Power	2750kVA @50°C	3450kVA @50°C
Max. Transformer Power	3025kVA @45°C	3795kVA @45°C
System		
Max. Efficiency	98.50%	
IP Code	IP54 (other parts) / IP66 (PCS)	
Anti-corrosion Grade	C3 / C4 / C5	
Overload Capacity	110°C: Long-term operation 120°C: 10min	
Cooling Method	Smart forced air cooling	
Communication Interface To EMS	Optical Fiber Interface、ethernet Port (Modbus-TCP、IEC 61850、IEC 104)	
Communication Interface To Battery Compartment	CAN (CAN2.0B)	
Rated Grid Frequency	50/60Hz	
THD (Rated Power)	<3%	
Adjustable Range Of Power Factor	-1 ~ +1	
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	≤2000m	
Dimensions (W×D×H)	7000*2800*2661	7800*2800*2661
Weight	15.4T	16.8T

1 Flexible and friendly

- Integrated structure, Highly integrated, Convenient transportation
- DC width voltage design, flexible configuration of battery

Safe and Reliable

- Single-cluster management of batteries prevents over-charge and over-discharge
- Modularization, and high system availability

Grid Support

- Quickly suppressing frequency and power fluctuation can adapt to various application scenarios
- LVRT/HVRT, VSG, Black start, Weak grid support