

**TBEA**



# 1000V TC2500KST



## Efficient power generation

T-type three-level power topology, Inverter maximum efficiency greater than 99%,  
European efficiency greater than 98.7%



## Investment saving

ITS standard 20-foot container, Saving upfront investment, Reducing transportation and construction costs



## Highly integrated

Highly integrating "inverter", "booster", "RMU", "power distribution", "communication" and other functions,  
Unifying all communication interfaces

<b>Model</b>	TC2500KST
<b>Input (DC)</b>	
Max. DC Voltage	1000V
MPPT Voltage Range	550V ~ 1000V
Full-load voltage range	550V ~ 850V
Max. Number of Inputs	32
<b>Output (AC)</b>	
Rated AC Power	2500kVA
Max. AC Power	2750kVA
Rated AC Current	37.5A
Max. AC Current	41.2A
Rated Out-put voltage	38.5kV
Rated AC Frequency	50Hz
Power Factor Range	0.8 ( leading ) ~ 0.8 ( lagging ) , continuous adjustable
Max. THD	< 3%
<b>Inverter Efficiency</b>	
Max. Efficiency	99%
European Weighted Efficiency	98.7%
<b>Environment Parameters</b>	
Ambient Temperature	-25°C ~ 60°C ( above 50°C derating )
Ambient Humidity	5% ~ 95% ( no condensation )
Max.Operating Altitude @Full Load	2000m ( models for high altitude need to be customized )
Cooling Method	Forced air cooling
IP Protection	IP55
<b>Communication</b>	
Communication Interfaces	RS485/Ethernet
<b>Protection Function</b>	
DC Overvoltage	Yes
AC Overvoltage Protection	Yes
Grid Detection	Yes
Grounding Fault Detection	Yes
Overheating Protection	Yes
Insulation Resistance Detection	Yes
<b>Mechanical Data</b>	
Dimensions ( W*H*D )	2438mm*2660mm*6058mm
Weight	16000kg
<b>Product Certification</b>	
TUV	

**TBEA XI' AN ELECTRIC TECHNOLOGY CO.,LTD.**

Add: No.70, Shanglinyuan 4th Road, High-tech Zone, Xi'an, China ( 710119 )

Tel: +86-29-68760666

Customer Service Line: 400-606-6029

Website: <http://en.tbeapower.com>

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Company website