

**TBEA**



# 1000V TC2500KS



## Efficient power generation

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



## Environmental adaptation

Compatible with dual winding transformers to reduce system cost, IP55, Strong environmental adaptability



## Continuous power generation

DC side maximum 1.4 times over-matching access,  
AC side 50 °C 1.1 times long-term overload operation without derating, To ensure power generation

<b>Model</b>	TC2500KS
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**Input (DC)**

Max. DC Voltage	1000V
MPPT Voltage Range	550V ~ 1000V
Full-load voltage range	550V ~ 850V
Max. Number of Inputs	24*400A/32*250A

**Output (AC)**

Rated AC Power	2500kVA
Max. AC Power	2750kVA
Rated AC Current	2*1899A
Rated Out-put voltage	380V
Rated AC Frequency	50Hz/60Hz
Power Factor Range	0.8 ( leading ) ~ 0.8 ( lagging ) , continuous adjustable
Max. THD	< 3%

**Inverter Efficiency**

Max. Efficiency	99%
European Weighted Efficiency	98.7%

**Environment Parameters**

Ambient Temperature	-25°C ~ 60°C ( above 50°C derating )
Ambient Humidity	5% ~ 95% ( no condensation )
Max.Operating Altitude @Full Load	3000m
Cooling Method	Forced air cooling
IP Protection	IP55

**Communication**

Communication Interfaces	RS485/Ethernet
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**Protection Function**

Over-voltage/under-voltage Protection	Yes
Over-frequency/under-frequency Protection	Yes
Anti-islanding Protection	Yes
Over-current Protection	Yes
Ant-idischarge Protection	Yes
Reverse polarity protection	Yes
Overload Protection	Yes
Low voltage ride-through	Yes
Over temperature protection	Yes

**Mechanical Data**

Dimensions ( W*H*D )	2438mm*2591mm*2991mm
Weight	< 6000kg

**Product Certification**

TUV

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