



1500V TC3125KFT / TC3400KFT



Efficient power generation

One MPPT for two inputs, I-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

Model	TC3125KFT	TC3400KFT
Input (DC)		
Max. DC Voltage	1500V	
Min. DC/Starting Voltage	900V	
Full-load Voltage Range	900V ~ 1300V	
MPPT Number	2	
Max. Number of Inputs	24*400A/28*250A	
Max. DC Current	3897A	
Output (AC)		
Rated AC Power	3125kW	3400kW
Max. AC Power	3437kW at 45°C/3125kW at 50°C	3437kW at 45°C
Rated Grid Voltage	10kV ~ 35kV	
Rated Grid Frequency	50Hz/60Hz	
Allowed Grid Frequency Range	45Hz ~ 55Hz/55Hz ~ 65Hz (custom settings)	
Max. THD	< 3% (at rated power)	
DC Current Component	< 0.5% (rated output current)	
Power Factor Range	0.8 (leading) ~ 0.8 (lagging) , continuous adjustable	
Inverter Efficiency		
Max. Efficiency	99%	
European Weighted Efficiency	98.7%	
Protection Function		
DC Overvoltage Protection	Yes	
DC Short Circuit Protection	Yes	
Insulation Detection	Yes	
Grid Detection	Yes	
Grounding Fault Detection	Yes	
Overheating Protection	Yes	
Other Functions		
PID Protection and Repair	Optional	
SVG Function	Optional	
Soft open, Shutdown	Yes	
Conventional Parameters		
Isolation Method	Oil Immersed Transformer	
Dimensions (W*H*D)	2438mm*2896mm*6058mm	
Weight	18000kg	
IP Protection	IP54	
Cooling Method	Forced Air Cooling (Inverter) , other equipment cools naturally	
Ambient Temperature Range	-25°C~60°C (above 50°C derating)	
Ambient Humidity Range	0% ~ 95% (no condensation)	
Max. Operating Altitude	2000m (Standard) /> 2000m (Optional)	
Communication Interfaces	RS485/Ethernet	
Product Certification		
TUV		

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