

TBEA



1000V TC1250KH-M

- ⚡ Integrated with DC power distribution cabinet to reduce the initial investment of the power station
- 🔧 Modular and front-maintenance design, reducing plant maintenance costs
- ↔ 1-2 Channel(s) of MPPT is (are) optional and the PV module has high compatibility
- ⚙️ Adaptable to multiple grid standards; good grid adaptability

Model TC1250KH-M

Input (DC)

Max. DC Power	1417kW
Max. DC Voltage	1000V
MPPT Voltage Range	550V ~ 1000V
Startup Voltage	550V
Max. DC Current	2576A
Independent MPPT Number	2
Max. Number of Inputs	12*400A/16*250A

Output (AC)

Rated AC Power	1250kW
Max. AC Power	1375kVA
Rated AC Voltage	380V
Rated Output Current	1899A
Rated Grid Frequency	50Hz/60Hz
THD of AC Current	< 3%
Adjustable Power Factor	0.8 (leading) ~ 0.8 (lagging) , adjustable

Inverter Efficiency

Max. Efficiency	99%
European Weighted Efficiency	98.7%

Environment Parameters

Ambient Temperature Range	-25°C ~ 60°C (above 50°C derating)
Ambient Humidity Range	5% ~ 95% (no condensation)
Max. Operating Altitude	3000m
Cooling Method	Forced air cooling
Protection Rating	IP20

Protection Function

Over-voltage/under-voltage Protection	Yes
Over-frequency/under-frequency Protection	Yes
ZVRT	Yes
Anti-islanding Protection	Yes
Stand-alone Grid Detection	Yes
Over-current Protection	Yes
Ant-idischarge Protection	Yes
Overload Protection	Yes
Lightning Protection	Yes

Display and Communication

Display	LCD
Communication Interfaces	Rs485/ Ethernet

Mechanical Data

Dimensions (W*H*D)	2400mm*2150mm*700mm
Weight	< 2000kg

Product Certification

TUV

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