





TC2000KH-O

-  Machine protection IP54, Control part of the protection IP65 Extremely reliable;
-  Three-level circuit with maximum efficiency > 99%;
-  High power density, footprint than traditional models by 50%;
-  The second generation suppresses and repairs the PID effect function to improve the life of the PV system.



Model	TC500KH-O	TC1000KH-O	TC1500KH-O	TC2000KH-O
Input (DC)				
Rated DC Power	515kW	1031kW	1546kW	2062kW
Rated input current	859A	1718A	2577A	3436A
Rated input voltage	600V			
Max. input voltage	1000V			
MPPT voltage range	480~850Vdc			
Max. DC Power	567kW	1134kW	1701kW	2268kW
Max. input current	1181A	2363A	3544A	4725A
Number of MPPT	1	2	3	4
Number of input	≤8	≤16	≤24	≤32
Output (AC)				
Rated output power	500kW	1000kW	1500kW	2000kW
Max. apparent power	550kW	1100kW	1650kW	2200kW
Rated voltage	315V			
Rated output current	916A	1833A	2749A	3666A
Max. output current	1008A	2016A	3024A	4033A
AC frequency	50 Hz			
Max.THDI	<3%			
Adjustable power factor	0.9 (leading) -0.9(lagging) adjustable			
System parameters				
Max. efficiency	99%			
Chinese weighted efficiency	98.4%			
Max.self-consumption(night)	< 80W	< 160W	< 240W	< 320W
Environmental parameters				
Operating temperature range	-25~60℃ (>50℃ derating)			
Max. permissible value for relative humidity	5~95% (non-condensing)			
Max. operating altitude	4000m, without derating ≤3000m			
Cooling concept	Forced air cooling			
Display and communication				
Display	LCD			
Communication interfaces	RS485			
Communication protocol	Modbus			
Protection function				
Stand-alone grid detection	Yes			
ZVRT	Yes			
Over-voltage/under-voltage protection	Yes			
Over-frequency/under-frequency protection	Yes			
IGBT over temperature protection	Yes			
Anti-discharge protection	Yes			
Over-current protection	Yes			
Overload protection	Yes			
Mechanical data				
Dimensions(W/H/D)	881 ×2400 ×1070mm	1734 ×2400 ×1070mm	2587 ×2400 ×1070mm	3440 ×2400 ×1070mm
Weight	1000kg	2000kg	3000kg	4000kg