



## TC2000KS

- Max. conversion efficiency 99%
- Power density increased by more than 1 time, used 2 MVA transformers, foundation construction minimized and plant initial investment decreased
- Standard container design to facilitate domestic and international shipping
- Box-type Inverter Station Protection Degree IP54 , enable stable running under extreme environments
- Accuracy of MPPT > 99.9% which improves system generating capacity
- Suitable for high altitude area, without derating ≤ 3000m
- Good compatibility to a variety of grid standards, good power grid adaptability
- Wide environment temperature and humidity running range
- Service life 25 years

Model	TC2000KS
<b>Input (DC)</b>	
Max. DC power <sup>①</sup>	2268kW
Max. input voltage	1000V
MPPT voltage range	460V ~ 850V
Max. input current	2 × 2465A
Number of DC inputs	32
Ground-fault monitoring	Yes
Lightning protection	Yes
External auxiliary supply voltage	380V/3P4L
<b>Output (AC)</b>	
Rated Power	2000kW
Max. AC power	2200kW
Number of AC outputs	2
AC nominal voltage	315V
Rated output current per output	1833A
Max. output current	2016A
Max. THD	<3%
AC frequency	50Hz/60Hz
Power factor at rated power/adjustable shift factor	1 / 0.9 leading ~ 0.9 lagging
Lightning protection	Yes
<b>Efficiency</b>	
Max. efficiency	99%
European weighted efficiency	98.6%
<b>Environmental parameters</b>	
Degree of protection	IP54
Operating temperature range	-30°C ~ +60°C (above 55°C , derating )
Max. permissible value for relative humidity	5% ~ 95% (non-condensing)
Max. operating altitude	Without derating ≤ 3000m (above 3,000m, derating according to GB/T3859.2)
Cooling concept	Forced air cooling , speed adjustable
<b>Data collection and communication</b>	
Communication management machine	optional
RS485	Yes
Ethernet electricity port	optional
Ethernet optical port	optional
Looped network converter	optional
<b>Mechanical data</b>	
Dimensions (W/H/D)	2991mm × 2591mm × 2438mm
Weight	6t

① Note: In the case of ambient temperature is below 55°C , it can 1.1 times overload running for a long time