Solis Central Inverter







## **Leading Features**

- ► Three phase output
- ▶ Over 98.5% Max. efficiency
- ▶ 450V up to 820V input voltage range
- LVRT function
- ▶ TPC
- ▶ Simple and compact design
- ▶ Small-sized easy to installation and maintenance
- ▶ intelligent module dormancy
- ► Adjusting function of reactive power
- ▶ Multi-protection functions

Model Solis-500K-TL

Model	Solis-500K-TL
Input Side	
Max. DC input voltage	1000V
Start-up DC input voltage	470V
MPPT operating range	450-820V
Max. DC input current	1200A
Number of MPP/Max strings per MPPT	2
Output Side	
Rated output power	500kW
Max. transient Power	550kW
Rated AC grid voltage	270V
AC grid voltage range	216~310V
Operating phase	three
Rated AC grid output current	1069A
Max. AC output current	1176A
Output power factor	>0.99
Grid current THD	<3%
DC injection current	<0.5%
Rated grid frequency	50Hz
Efficiency	
Max. efficiency	>98.5%
Euro efficiency	>98.2%
MPPT efficiency	>99.9%
Protection	
Overload protection	Yes
Over voltage protection	Yes
Reversed polarity protection	Yes
Over voltage protection of grid voltage	Yes
Over frequency protection of grid voltage	Yes
Low voltage protection of grid voltage	Yes
Low frequency protection of grid voltage	Yes
Short circuit protection of grid	Yes
Over heating protection of inverter	Yes
General data	
Size	2000W*2180H*850D(mm)
Weight	1400kg
Topology	Transformerless
Internal consumption	<60W(night)
Running temperature	-25℃~55℃
Ingress protection	IP20
Operating range utility frequency (Hz)	47–52 or 57–62(adjustable)
Noise emission(typical)	<70 dBA
Cooling concept	Forced air cooling
Max.operating altitude without derating	3000m
Designed lifetime	25 years
Utility monitoring	Rs485 communications monitoring, accept adjusting of long-distance power
Operating surroundings humidity	0~95%
Features	
DC connection	bolt connected to the terminal
AC connection	bolt connected to the terminal
Display	7 inch HMI
Interface	RS485
Warranty	5 year