Solis Central Inverter







Leading Features

- ► Three phase output
- ▶ Over 97.3% Max. efficiency
- ▶ 450V up to 820V input voltage range
- LVRT function
- ▶ TPC
- ▶ Simple and compact design
- ▶ Only weighs 72kg, easy installation and maintenance
- ▶ Intelligent module dormancy
- ▶ Adjusting function of reactive power
- ▶ Multi-protection functions

Model	Solis-250K
Input Side	
Max. DC input voltage	1000V
Start-up DC input voltage	470V
MPPT operating range	450-820V
Max. DC input current	600A
Number of MPP/Max strings per MPPT	1
Output Side	·
Rated output power	250kW
Max. transient Power	275kW
Rated AC grid voltage	400V
AC grid voltage range	310~450V
Operating phase	three
Rated AC grid output current	360A
Max. AC output current	588A
Output power factor	>0.99
Grid current THD	<3%
DC injection current	
Rated grid frequency	<0.5% 50Hz
Efficiency	OUTLE
Max. efficiency	>97.3%
Euro efficiency	>96.7%
MPPT efficiency	>99.9%
Protection	30.070
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	1200W*2180H*850D(mm)
Weight	1300kg
Topology	Transformer
Internal consumption	<100W(night)
Running temperature	-25°C∼55°C
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
144	_

5 year

Warranty

Solis Central Inverter







- ► Three phase output
- ▶ Over 98.5% Max. efficiency
- ▶ 450V up to 820V input voltage range
- LVRT function
- ▶ TPC
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- ▶ Only weighs 72kg, easy installation and maintenance
- ▶ intelligent module dormancy
- ► Adjusting function of reactive power
- ▶ Multi-protection functions

Model Solis-250K-TL

Model	Solis-250K-TL
Input Side	
Max. DC input voltage	1000V
Start-up DC input voltage	470V
MPPT operating range	450-820V
Max. DC input current	600A
Number of MPP/Max strings per MPPT	1
Output Side	
Rated output power	250kW
Max. transient Power	275kW
Rated AC grid voltage	270V
AC grid voltage range	216~310V
Operating phase	three
Rated AC grid output current	534A
Max. AC output current	418A
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	1200W*2180H*850D(mm)
Weight	800kg
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