Solis-250K-EHV-5G

Solis 5G Three Phase Inverters

Coming soon

Features:

▶ 99% Max. effciency

▶ Maximum 28-string input, support "Y" type connection in DC side

▶ Maximum string input current 13A, support bifacial modules access

▶ Surge protection class 1 (Optional)

▶ Supports anti-PID function to improve system efficiency

▶ IP66 protection level, intelligent redundant air cooling design

▶ Ethernet /PLC/RS-485 multiple communication modes, flexible monitoring

▶ High-precision intelligent strings monitoring reduces fault location time

720mm

1125mm

382mm

Model:

800V: Solis-250K-EHV-5G

Model Name	Solis-250K-EHV-5G
Input DC	
Max. input voltage	1500V
Rated voltage	1080V
Start-up voltage	620V
MPPT voltage range	600-1500V
Max. input current	14*26A
Max. short circuit current	14*40A
MPPT number/Max. input strings number	14/28
Output AC	
Rated output power	250kVA@30°C / 230kVA@40°C / 205kVA@50°C
Rated grid voltage	3/PE, 800V
Grid voltage range	640-920V
Rated grid frequency	50/60Hz
Max. output current	180.4A
Power Factor	>0.99 (0.8 leading - 0.8 lagging)
THDi	<3%
Efficiency	
Max. efficiency	99.0%
EU efficiency	98.5%
Protection	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Surge protection	DC Type II / AC Type II
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
Strings monitoring	Yes
I/V Curve scanning	Yes
Anti-PID function	Yes
Integrated DC switch	Yes
General Data	
Dimensions (W*H*D)	1125*720*382 mm (Reference)
Weight	105kg (Reference)
Topology	Transformerless
Self consumption	<2W (night)
Operating ambient temperature range	- 25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP66
Cooling concept	Intelligent redundant fan-cooling
Max. operation altitude	4000m
Grid connection standard	EN50549, G99, AS4777.2, VDE0126-1-1, IEC 62727, VDE4105, IEC 61727
Safety/EMC standard	IEC62109-1/-2, EN61000-6-2/-3
Features	
DC connection	MC4 connector
AC connection	OT Terminal (max. 300 mm^2)
Display	LCD, 2×20 Z
Communication	RS485, Optional: PLC