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Solis-125K-EHV-5G

Solis 5G Three Phase Inverters



Features:

- Over 99.1% Max. effciency
- Strings intelligent monitoring, Smart I-V Curve Diagnosis supported
- Anti-resonance, single transformer can connect 6M+ in parallel
- 1.5 times DC overload ratio, maximum 20 strings input
- Type II surge arrester for both DC and AC, type I surge arrester optional
- DC input reverse alarm
- Optional anti-PID function integrated
- Leakage current repression technology
- Integrated AC & DC disconnect switches
- Ethernet /RS485 multiple communication modes, flexible monitoring



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Datasheet

Model Name	Solis-125K-EHV-5G
Input DC	
Max. input power	187.5kW
Max. input voltage	1500V
Rated voltage	950V
Start-up voltage	900V
MPPT voltage range	860-1450V
Max. input current	150A
Max. Short Circuit current	300A
MPPT number/Max. input strings number	1/20
Output AC	
Rated output power	125kW
Max. apparent output power	125kVA
Max. output power	125kW
Rated grid voltage	3/PE, 600V
Rated grid frequency	50/60Hz
Rated grid output current	120A
Max. output current	120A
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)
THDi	<3%
Efficiency	
Max. efficiency	99.1%
CEC efficiency	98.6%
Protection	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Surge protection (DC/AC)	Type II / Type II
Grid monitoring	Yes
Islanding protection	Yes
Temperature protection	Yes
DC switch/AC switch	Yes/Yes
DC Fuse	Yes
I/V Curve scanning	Yes
Strings monitoring	Yes
Anti-PID function	Optional
General Data	
Dimensions (W*H*D)	1178mm*713.5mm*315mm
Weight	84kg
Topology	Transformerless
Self consumption (night)	<3W (without anti-PID)
Operating ambient temperature range	- 25~60°C
Relative humidity	0~100%
Ingress protection	NEMA4X/IP65
Cooling concept	Intelligent redundant fan-cooling
Max. operation altitude	4000m
Grid connection standard	G98, G99, EN 50549-1/-2, IEC61727
Safety/EMC standard	IEC 62109-1/-2, IEC62116, EN 61000-6-2/-4
Features	
DC connection	MC4
AC connection	OT Terminal connectors (Max. 185mm^2)
Display	LCD, 2×20 Z.
Communication	RS485; Ethernet/PLC/WiFi/GPRS (optional)