Solis-125K-EHV-5G

Solis 5G Three Phase Inverters

Features:

- Maximum 20 strings input, support 1.5 DC/AC inverter load ratio
- Integrated AC & DC disconnect switches
- Touch safe DC Fuse holders adds convenience and safety
- High precision intelligent strings monitoring, reduce fault location time
- Built-in AC and DC lightning protection module, all-around lightning protection
- Support Anti-PID function, improve system efficiency
- Over 99.1% Max. effciency
- Ethernet /RS485 multiple communication modes,flexible monitoring
- WiFi monitoring available - plus access to Android and Apple apps

Model:

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Datasheet

Model	Solis-125K-EHV-5G
Input DC	
Max. DC input power(kW)	187.5
Max. DC input voltage(V)	1500
Nominal DC voltage(V)	950
Start-up voltage(V)	900
Operating MPPT voltage range(V)	860-1450
Max. input current(A)	150
Max. Short Circuit current for each MPPT(A)	300
MPPT number/Max input strings number	1/20
Output AC	
Rated output power(kW)	125
Max. apparent output power(kVA)	125
Max. output power(kW)	125
Rated grid voltage(V)	600
Rated grid frequency(Hz)	60
Rated grid output current (A)	120
Max. output current(A)	120
Power Factor (at rated output power)	0.8leading ... 0.8lagging
THDi	<3%
Efficiency	
Max.efficiency	99.10%
CEC efficiency	98.60%
MPPT efficiency	>99.9%
Protection	
DC reverse-polarity protection	Yes
Residual current detection	Yes
Overvoltage protection	DC II/ AC II
Islanding protection	Yes
DC switch/AC switch	Yes/Yes
DC Fuse	Yes
I/V Curve scanning	Yes
String monitoring	Yes
Anti-PID function	Optional
General Data	
Dimensions (mm)	1176W*713.5H*315D
Weight (kg)	84
Topology	Transformerless
Self consumption (night)	<3W (without anti-PID)
Operating ambient temperature range	- 25~+60℃
Relative humidity	0~100%
Ingress protection	NEMA4X/IP65
Noise emission	≤55dB(A)
Cooling concept	Fan cooling
Max.operation altitude	4000m
Compliance	UL 1741, UL 1741SA, Rule 21, UL 1998, UL 1699B, IEEE 1547,FCC Part 15 (Class A & B), CAN/CSA C22.2 107.1-1,Rule 21 Phaes II&III
Features	
DC connection	MC4
AC connection	OT Terminal connectors(Max. 185mm^2)
Display	LCD, 2×20 Z.
Communication connections	RS485, Ethernet
OTA update	Yes
Warranty	5 Years /10 Years /15 Years /20 Years