

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. efficiency
- ▶ Ethernet /RS485 multiple communication modes,flexible monitoring
- ▶ WiFi monitoring available-Android and Apple App store available



Model:

Solis-125K-EHV-5G

Datasheet

Model	Solis-125K-EHV-5G
Input DC	
Max. DC input power(kW)	187.5
Max. DC input voltage(V)	1500
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
Grid voltage range(V)	528-660
Rated grid frequency(Hz)	50/60
Grid frequency range(Hz)	47-62
Operation phase	3/PE
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	98.50%
MPPT efficiency	>99.9%
Protection	
DC reverse-polarity protection	Yes
Short circuit protection	Yes
Output over current protection	Yes
Output over voltage protection	Yes
Insulation resistance monitoring	Yes
Residual current detection	Yes
Overvoltage protection	DC II/ AC II
Grid monitoring	Yes
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	Transformer less
Self consumption (night)	<3W (without anti-PID)
Operating ambient temperature range	- 25~+60°C
Relative humidity	0~100%
Ingress protection	IP65
Noise emission	≤55dB(A)
Cooling concept	Fan cooling
Max.operation altitude	4000m
Compliance	IEC62109-1/-2, IEC61000-6-1/-4, IEC 61727, IEC 62116, VDE4105, VDE0126-1-1, EN50530
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/ 10/ 15/ 20 Years