

Solis-125K-EHV-5G

Solis Three Phase Inverters



Model:

600V: Solis-125K-EHV-5G



Efficient

- ▶ Max. efficiency 99.1%
- ▶ > 150% DC/AC ratio
- ▶ Compatible with bifacial modules



Smart

- ▶ Strong reactive power compensation
- ▶ Multiple communication modes applicable to various scenarios
- ▶ Remote firmware upgrade with simple operation



Safe

- ▶ Built-in PID recovery for better module performance (optional)
- ▶ Equipped with AC/DC switch, safe and convenient maintenance
- ▶ Globally recognised branded componentry for longer life



Economic

- ▶ Max. DC input voltage: 1500V
- ▶ Supports aluminium wire access to reduce cost

Datasheet

Model Name	Solis-125K-EHV-5G
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Input DC

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	120.3A
Max. output current	120.3A
Power Factor	>0.99 (0.8 leading - 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 Type II / AC Type II
Grid monitoring	Yes
Anti-islanding protection	Yes
Temperature protection	Yes
Strings monitoring	Yes
I/V Curve scanning	Yes
Integrated DC switch	Yes
Integrated AC switch	Yes

General Data

Dimensions (W*H*D)	1178*713.5*315 mm
Weight	84kg
Topology	Transformerless
Self consumption (night)	<3W (without anti-PID)
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP65
Cooling concept	Intelligent redundant fan-cooling
Max. operation altitude	4000m
Grid connection standard	G98, G99, EN 50549-1/-2, IEC 61727
Safety/EMC standard	IEC 62109-1/-2, IEC 62116, EN 61000-6-2/-4

Features

DC connection	MC4 connector
AC connection	OT terminal (max. 185 mm ²)
Display	LCD
Communication	RS485, Optional: Ethernet, Wi-Fi, GPRS