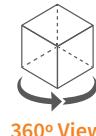


## Solis-(100-125)K-5G-AU

Solis Three Phase Inverters



360° View

### >> Models:

- Solis-100K-5G-AU
- Solis-110K-5G-AU
- Solis-125K-HV-5G-AU



### Efficient

- 10 MPPTs, max. efficiency 99.0%
- > 150% DC/AC ratio
- High power tracking density 90MPPT/MW
- Compatible with bifacial modules

### Safe

- AFCI protection, proactively reduces fire risk
- Built-in PID recovery for better module performance (optional)
- Type I SPD for AC (optional)
- Overvoltage load reduction and leakage current suppression technology, low failure rate
- Globally recognised branded componentry for longer life

### Smart

- Night SVG function
- Intelligent string monitoring, smart I-V curve scan
- Remote firmware upgrade with simple operation

### Economic

- Power line communication (PLC) (optional)
- DC side supports "Y" connector
- Supports aluminium wire access to reduce cost

**DATASHEET****Solis-(100-125)K-5G-AU**

<b>Models</b>	<b>100K</b>	<b>110K</b>	<b>125K-HV</b>
<b>Input DC</b>			
Max. input voltage		1100 V	
Rated voltage	600 V		720 V
Start-up voltage		195 V	
MPPT voltage range		180-1000 V	
Max. input current		10*26 A	
Max. short circuit current		10*40 A	
MPPT number/Max. input strings number		10/20	
<b>Output AC</b>			
Rated output power	100 kW	110 kW	125 kW
Rated apparent output power	100 kVA	110 kVA	125 kVA
Max. apparent output power	110 kVA	121 kVA	137.5 kVA
Max. output power	110 kW	121 kW	137.5 kW
Rated grid voltage	3/N/PE, 230 V / 400 V		3/PE, 480 V
Rated grid frequency		50 Hz	
Rated grid output current	144.3 A	158.8 A	150.4 A
Max. output current	158.8 A	174.6 A	165.4 A
Power factor		>0.99 (0.8 leading - 0.8 lagging)	
THDi		<3%	
<b>Efficiency</b>			
Max. efficiency	98.7%		99.0%
EU efficiency	98.3%		98.5%
<b>Protection</b>			
DC reverse-polarity protection		Yes	
Short circuit protection		Yes	
Output over current protection		Yes	
Surge protection		DC Type II / AC Type II (AC Type I optional)	
Grid monitoring		Yes	
Anti-islanding protection		Yes	
Temperature protection		Yes	
Strings monitoring		Yes	
I/V Curve scanning		Yes	
Integrated PID recovery		Optional	
Integrated AFCI (DC arc-fault circuit protection)		Yes <sup>(1)</sup>	
Integrated DC switch		Yes	
Integrated AC switch		Optional	
<b>General Data</b>			
Dimensions (W*H*D)		1065*567*344.5 mm	
Weight		91 kg	
Topology		Transformerless	
Self-consumption (night)		<2 W	
Operating ambient temperature range		-30 ~ +60°C	
Relative humidity		0-100%	
Ingress protection		IP66	
Cooling concept		Intelligent redundant fan-cooling	
Max. operation altitude		4000 m	
Grid connection standard		AS/NZS 4777.2:2020, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530	
Safety/EMC standard		IEC 62109-1/-2, IEC 61000-6-2/-4	
<b>Features</b>			
DC connection		MC4 connector	
AC connection		OT terminal (max. 185 mm <sup>2</sup> )	
Display		LCD	
Communication		RS485, Optional: Wi-Fi, GPRS, PLC	
Country of manufacture		China	

(1) Activation required.