



Solis-(80-110)K-5G-PRO

Perfect Fit For **182/210mm** Modules,
Support Maximum **16/18A** Per String

Adapt To Larger AC Cables

(See Technical Parameters For Details)

Solis-(80-110)K-5G-PRO

Solis Three Phase Inverters

>> Models:

Solis-80K-5G-PRO

Solis-100K-5G-PRO

Solis-110K-5G-PRO



Efficient

- 6/8 MPPTs, max. efficiency 98.5%
- > 150% DC/AC ratio
- Compatible with bifacial modules

Smart

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

Safe

- IP66
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life

Economic

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

DATASHEET**Solis-(80-110)K-5G-PRO**

Models	80K	100K	110K
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Input DC

Max. input voltage	1100 V		
Rated voltage	600 V		
Start-up voltage	180 V		
MPPT voltage range	160-1000 V		
Max. input current	36 A / 32 A / 36 A / 32 A / 36 A / 32 A	36 A / 32 A / 36 A / 32 A / 36 A / 32 A	
Max. short circuit current	6*50 A	8*50 A	
MPPT number/Max. input strings number	6/12	8/16	

Output AC

Rated output power	80 kW	100 kW	110 kW
Max. apparent output power	88 kVA	110 kVA	121 kVA
Max. output power	88 kW	110 kW	121 kW
Rated grid voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V		
Rated grid frequency	50 Hz / 60 Hz		
Rated grid output current	121.6 A / 115.5 A	152.0 A / 144.3 A	167.1 A / 158.8 A
Max. output current	133.7 A	167.1 A	183.8 A
Power factor	>0.99 (0.8 leading - 0.8 lagging)		
THDi	<3%		

Efficiency

Max. efficiency	98.5%
EU efficiency	98%

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 AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾

General Data

Dimensions (W*H*D)	1183*585*363 mm	
Weight	77 kg	93 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	G99, IEC61727	
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4	

Features

DC connection	MC4 connector
AC connection	OT terminal (max. 240 mm ²)
Display	LCD
Communication	RS485, Optional: Wi-Fi, GPRS, PLC

(1) Activation required.