

Solis-(25-50)K-5G-AU

Solis Three Phase Inverters



360 degree

Features:

- ▶ Max. efficiency 98.8%
- ▶ Complies with all state network requirements
- ▶ Integrate with adjustable Volt-Watt and Volt-Var function
- ▶ DRM integrated, fully comply with AS/NZS 4777.2:2020
- ▶ Built-in DC-PV2 Switch (optional), comply with AS/NZS 5033 requirements
- ▶ Support 24h consumption monitoring with a smart meter
- ▶ 4 MPPT design with precise MPPT algorithm, effectively reducing string mismatch
- ▶ 130% DC overload ratio, 13A input for each PV string
- ▶ Strings intelligent monitoring, Smart I-V curve scan
- ▶ Wide voltage range and low startup voltage
- ▶ Fuse free design
- ▶ Type II surge arrester for both DC and AC
- ▶ Natural convection, Fan-less design
- ▶ Voltage active power and reactive power



Model:

400V:	Solis-25K-5G-AU	Solis-30K-5G-AU
	Solis-30K-5G-AU-MX	Solis-33K-5G-AU
	Solis-36K-5G-AU	Solis-40K-5G-AU
480V:	Solis-40K-HV-5G-AU	Solis-50K-HV-5G-AU

Datasheet

Model Name	Solis-25K-5G-AU	Solis-30K-5G-AU	Solis-30K-5G-AU-MX	Solis-33K-5G-AU	Solis-36K-5G-AU	Solis-40K-5G-AU	Solis-40K-HV-5G-AU	Solis-50K-HV-5G-AU
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Input DC

Recommended max. PV power	33 kW	39 kW	39 kW	43 kW	47 kW	52 kW	52 kW	65 kW
Max. input voltage	1100 V							
Rated voltage	600 V							
Start-up voltage	180 V							
MPPT voltage range	200-1000 V							
Max. input current	4*26 A							
Max. short circuit current	4*30 A							
MPPT number/Max. input strings number	4/8							

Output AC

[illegible]

Efficiency

Max. efficiency	98.8%
CEC efficiency	98.3%

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
Anti-PID function	Optional
Integarated DC switch	Yes (PV2 Switch)

General Data

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Dimensions (W*H*D)	647*629*252 mm
Weight	45 kg
Topology	Transformerless
Self consumption (night)	<1 W
Operating ambient temperature range	-25 ~ +60°C
Relative humidity	0-100%
Ingress protection	IP65
Cooling concept	Natural convection
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 61000-6-1/-2/-3/-4

Features

DC connection	MC4 connector
AC connection	OT terminal
Display	LCD
Communication	RS485, Optional: Wi-Fi, GPRS
Country of manufacture	China