

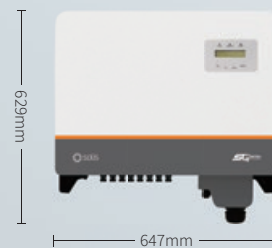
# Solis-30K-5G

Solis 5G Three Phase Inverters



## Features:

- ▶ Over 98.8% Max. efficiency
- ▶ Wide voltage range and low startup voltage
- ▶ 3 MPPT design with precise MPPT algorithm
- ▶ THDi<3%, low harmonic distortion against grid
- ▶ Anti-resonance, single transformer can connect 6M+ in parallel
- ▶ Perfect commercial site monitoring solution
- ▶ 1.3 times DC overload ratio, 13A input for each PV string
- ▶ Strings intelligent monitoring, Smart I-V Curve Diagnosis supported
- ▶ Fuse free design to avoid fire hazard
- ▶ Type II surge arrester for both DC and AC
- ▶ Natural convection, Fan-less design, longer lifespan
- ▶ Leakage current repression technology
- ▶ Volt-watt work mode integrated
- ▶ DC input reverse alarm
- ▶ Intergrated Export Power Manager(EPM)



## Model:

400V: Solis-30K-5G

## Datasheet

Model Name	Solis-30K-5G	
<b>Input DC</b>		
Max. input power	39kW	
Max. input voltage	1100V	
Rated voltage	600V	
Start-up voltage	180V	
MPPT voltage range	200~1000V	
Max. input current	3*26A	
Max. Short Circuit current	3*40A	
MPPT number/Max. input strings number	3/6	
<b>Output AC</b>		
Rated output power	30kW	
Max. apparent output power	33kVA	
Max. output power	33kW	
Rated grid voltage	3/N/PE, 220/380V, 230/400V	
Rated grid frequency	50Hz/60Hz	
Rated grid output current	45.6A/43.3A	
Max. output current	50.2A	
Power Factor	>0.99 (Adjustable from 0.8 leading to 0.8 lagging)	
THDi	<3%	
<b>Efficiency</b>		
Max. efficiency	98.8%	
EU efficiency	98.3%	
<b>Protection</b>		
DC reverse-polarity protection	Yes	
Short circuit protection	Yes	
Output over current protection	Yes	
Surge protection (DC/AC)	Yes	
Grid monitoring	Yes	
Islanding protection	Yes	
Temperature protection	Yes	
Strings monitoring	Yes	
I/V Curve scanning	Yes	
Anti-PID function	Optional	
Intergarated DC switch	Yes	
<b>General Data</b>		
Dimensions (W*H*D)	647mm*629mm*252mm	
Weight	45kg	
Topology	Transformerless	
Self consumption	<1W (Night)	
Operating ambient temperature range	-25~60°C	
Relative humidity	0~100%	
Ingress protection	IP65	
Cooling concept	Natural convection	
Max. operation altitude	4000m	
Grid connection standard	EN50549, G99, AS4777.2-2015, VDE0126-1-1, IEC62727, VDE4105-2018, NB/T 32004	
Safety/EMC standard	IEC62109-1/-2, EN61000-6-2, EN61000-6-3	
<b>Features</b>		
DC connection	MC4	
AC connection	Terminal board	
Display	LCD, 2×20 Z.	
Communication	RS485; WiFi/GPRS (optional)	