

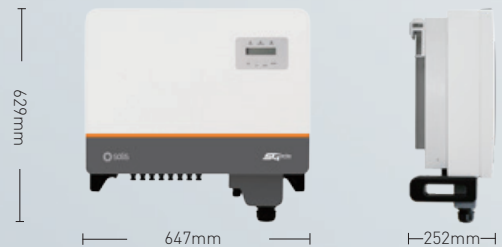
Solis-(25-40)K-5G, Solis-(40-50)K-HV-5G

Solis 5G Three Phase Inverters



Features:

- ▶ 4 MPPT design with precise MPPT algorithm, effectively reducing string mismatch
- ▶ 8 strings intelligent monitoring, Smart I-V Curve Diagnosis supported
- ▶ 30% DC overload, 13A input for each PV string
- ▶ Over 98.8% Max. efficiency
- ▶ 200V-1000V MPPT voltage range-ultra low startup
- ▶ Fuse free design to avoid fire hazard
- ▶ Type II surge arrester for both DC and AC
- ▶ Natural convection, Fan-less design, longer lifespan
- ▶ RS485/ Wifi/ GPRS interface integration, remote upgrade supported



Model:

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

Datasheet

Model	Solis-25K-5G	Solis-30K-5G	Solis-33K-5G	Solis-36K-5G	Solis-40K-5G	Solis-40K-HV-5G	Solis-50K-HV-5G
Input DC							
Max. DC input power(kW)	33	39	43	47	52	52	65
Max. DC input voltage(V)	1100						
Nominal DC voltage(V)	600						
Start-up voltage(V)	180						
Operating MPPT voltage range(V)	200-1000						
Max. input current(A)	26A/26A/26A			26A/26A/26A/26A			
Max. Short Circuit current for each MPPT(A/B/C/D)	40A/40A/40A			40A/40A/40A/40A			
MPPT number/Max input strings number	3/A;2; B;2; C:2			4/A;2; B;2; C:2;D:2			
Output AC							
Rated output power(kW)	25	30	33	36	40	40	50
Max. apparent output power(kVA)	27.5	33	36.3	39.6	44	44	55
Rated grid voltage(V)	400					480	
Rated grid frequency(Hz)	50/60						
Rated grid output current (A)	36	43.3	47.6	51.9	57.7	48.1	60.1
Max. output current(A)	41.8	50.2	55.1	60.2	66.9	53	66.2
Power Factor (at rated output power)	0.8leading ... 0.8lagging						
THDi (at rated output power)	<3%						
Efficiency							
Max. efficiency	98.8%						
CEC efficiency	98.3%						
MPPT efficiency	>99.5%						
Protection							
DC reverse-polarity protection	Yes						
Insulation resistance monitoring	Yes						
Residual current detection	Yes						
Surge protection	DC Type II/ AC Type II						
Islanding protection	Yes						
Integrated DC switch	Optional						
Strings monitoring	Yes						
Anti-PID	Optional						
General Data							
Dimensions (mm)	647W*629H*252D						
Weight(kg)	45						
Topology	Transformerless						
Self consumption (night)	<1W (Night)						
Operating ambient temperature range	-25~60° C						
Relative humidity	0~100%						
Ingress protection	IP65						
Noise emission{typical}	<30 dBA						
Cooling concept	Natural convection						
Max.operation altitude	4000m						
Grid connection standard	EN5049, G99, AS4777, VDE0126-1-1, IEC61727, VDE4105-2018						
Safety / EMC standard	IEC62109-1/-2, AS3100, EN61000-6-2, EN61000-6-3						
Features							
DC connection	MC-4						
AC connection	Terminal board						
Display	LCD, 2×20 Z.						
Terminal interface	4pin RS485*1/RJ45*2/Meter*1/DRM*1(Optional)						
Communication connections	4 Pin RS485 connector						
Monitoring	WiFi or GPRS						
Warranty	5 Years /10 Years /15 Years /20 Years						