

CA Solar PV Grid-Connected Inverter Product List



Technical Specifications

MODEL	SG1K5TL	SG2K5TL
DC Input		
Max. DC Voltage	450Vdc	450Vdc
MTTP Range	150~380Vdc	150~380Vdc
Max. DC Power	1700Wp	1700Wp
Max. Input Current	10A	10A
MPP Tracker	1	1
AC Output		
Output Power	1500W	1500W
Operating Voltage	180~260Vac	180~260Vac
Operating Frequency	50Hz/60Hz	50Hz/60Hz
Current THD	< 3%	< 3%
Power Factor	~1	~1
System		
Max. Efficiency	95%	95%
Euro Efficiency	93%	93%
Protection Degree	IP41 (indoor)	IP41 (indoor)
Operating Temp.	-20~+40°C	-20~+40°C
Ventilation Method	natural cooling	natural cooling
Humidity	0~95%, non-condensing	0~95%, non-condensing
Acoustic Noise Level	<40dBA	<40dBA
Comm. Interfaces	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS
Display	LCD	LCD
Mechanical Data		
W x D x H	288x123x417 (mm) 11.33x4.84x16.42 (inch)	288x123x417 (mm) 11.33x4.84x16.42 (inch)
Weight	10.3kg; 22.7lbs	10.3kg; 22.7lbs



SG3K



SG5K-B
SG6K-B

Technical Specifications

MODEL	SG3K	SG5KB	SG6KB
DC Input			
Max. DC Voltage	450Vdc	780Vdc	780Vdc
MTTP Range	200~380Vdc	300~650Vdc	320~650Vdc
Max. DC Power	3300Wp	5500Wp	6600Wp
Max. Input Current	18A	20A	20A
MPP Tracker	2	4	4
AC Output			
Output Power	3000W	5000W	6000W
Operating Voltage	180~260Vac	180~260Vac	180~260Vac
Operating Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Current THD	< 3%	< 3%	< 3%
Power Factor	~1	~1	~1
System			
Max. Efficiency	94%	94%	94%
Euro Efficiency	93%	93%	93%
Protection Degree	IP65 (outdoor)	IP65 (outdoor)	IP65 (outdoor)
Operating Temp.	-25~+60 °C	-25~+60°C	-25~+60°C
Ventilation Method	natural cooling	fan cooling	fan cooling
Humidity	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing
Acoustic Noise Level	<40dBA	<40dBA	<40dBA
Comm. Interfaces	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS
Display	LCD	LCD	LCD
Mechanical Data			
W x D x H	490x225x380 (mm) 16.1x11.0x15.0 (inch)	410x280x580 (mm) 16.1x11.0x22.8 (inch)	410x280x580 (mm) 16.1x11.0x22.8 (inch)
Weight	44kg; 96.8lbs	63kg; 138.6lbs	63kg; 138.6lbs



Technical Specifications

MODEL	SG10K3	SG30K3	SG50K3
DC Input			
Max. DC Voltage	450Vdc	450Vdc	880Vdc
MTTP Range	220~380Vdc	220~380Vdc	450~820Vdc
Max. DC Power	11kWp	33kWp	55kWp
Max. Input Current	50A	150A	130A
MPP Tracker	4	4	2
AC Output			
Output Power	10kW	30kW	50kW
Operating Voltage	330~450Vac	330~450Vac	330~450Vac
Operating Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Current THD	< 3%	< 3%	< 3%(at nominal power)
Power Factor	~1	~1	~1(at nominal power)
System			
Max. Efficiency	94.5%	94.5%	95%
Euro Efficiency	93.5%	93.5%	94%
Protection Degree	IP20 (indoor)	IP20 (indoor)	IP20 (indoor)
Operating Temp.	-10~+40°C	-20~+40°C	-20~+40°C
Ventilation Method	fan cooling	fan cooling	fan cooling
Humidity	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing
Acoustic Noise Level	<60dBA	<60dBA	<60dBA
Comm. Interfaces	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS
Display	LCD	LCD	LCD
Mechanical Data			
W x D x H	530x460x900 (mm) 20.9x18.1x35.4 (inch)	820x646x1964 (mm) 32.3x25.4x77.3 (inch)	820x646x1964 (mm) 32.3x25.4x77.3 (inch)
Weight	150kg; 330 lbs	400kg; 880 lbs	700kg; 1540 lbs



Technical Specifications

MODEL	SG100K3	SG250KTL	SG500K3
DC Input			
Max. DC Voltage	880Vdc	880Vdc	880Vdc
MTTP Range	450~820Vdc	450~820Vdc	480~820Vdc
Max. DC Power	110kWp	275kWp	550kWp
Max. Input Current	250A	600A	1200A
MPP Tracker	4	8	16
AC Output			
Output Power	100kW	250kW	500kW
Operating Voltage	400Vac	270Vac	400Vac
Operating Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Current THD	< 3%	< 3%(at nominal power)	< 3%
Power Factor	~1	~1(at nominal power)	~1
System			
Max. Efficiency	96.2%	97.5%	96.7%
Euro Efficiency	95.2%	97%	95.6%
Protection Degree	IP20 (indoor)	IP20 (indoor)	IP20 (indoor)
Operating Temp.	-20~+40°C	-20~+40°C	-20~+40°C
Ventilation Method	fan cooling	fan cooling	fan cooling
Humidity	0~95%, non-condensing	0~95%, non-condensing	0~95%, non-condensing
Acoustic Noise Level	<60dBA	<60dBA	<60dBA
Comm. Interfaces	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS	standard: RS485 optional: ethernet/GPRS
Display	LCD	LCD	LCD touch screen
Mechanical Data			
W x H x D	1020x770x1964 (mm) 40.2x30.3x77.3 (inch)	1400x850x2180 (mm) 55.1x33.5x85.8 (inch)	2800x800x2180or 2200x1400x2180 (mm) 110.2x31.5x85.8 or 110.2x55.1x85.8 (inch)
Weight	800kg; 1760 lbs	950kg; 2090 lbs	3300kg; 7260 lbs