

Single Phase String Inverter

SUN 3 K-G



1 MPP tracker, Max. efficiency up to 97.5%



Wide output voltage range



Zero export application, VSG application



Ani-PID function (Optional)



String intelligent monitoring (optional)

Model	SUN-3K-G
Input Side	
Max. DC Input Power (kW)	3.6
Max. DC Input Voltage (V)	550
Start-up DC Input Voltage (V)	80
MPPT Operating Range (V)	70~550
Max. DC Input Current (A)	12.5
Number of MPPT / Strings per MPPT	1 / 1
Output Side	
Rated Output Power (kW)	3
Max. Active Power (kW)	3.3
Rated AC Grid Voltage (V)	230
AC Grid Voltage Range (V)	160~300
Rated Grid Frequency (Hz)	50 / 60 (Optional)
Operating Phase	Single phase
Rated AC Grid Output Current (A)	13.1
Max. AC Output Current (A)	14
Output Power Factor	0.8 leading to 0.8 lagging
Grid Current THD	<2%
DC Injection Current (mA)	<0.5%
Grid Frequency Range	47~52 or 57~62 (Optional)
Efficiency	
Max. Efficiency	97.5%
Euro Efficiency	97.3%
MPPT Efficiency	>99%
Protection	
DC Reverse-Polarity Protection	Yes
AC Short Circuit Protection	Yes
AC Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Islanding Protection	Yes
Temperature Protection	Yes
Integrated DC Switch	Yes
Remote software upload	Yes
Remote change of operating parameters	Yes
Surge protection	DC Type II / AC Type II
General Data	
Size (mm)	330Wx310Hx115D
Weight (kg)	6
Topology	Transformerless
Internal Consumption	<1W (Night)
Running Temperature	-25~65°C
Ingress Protection	IP65
Noise Emission (Typical)	<25 dB
Cooling Concept	Natural cooling
Max. Operating Altitude Without Derating	2000m
Designed Lifetime	>20 years
Grid Connection Standard	EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2
Operating Surroundings Humidity	0-100%
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3
Features	
DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD1602
Interface	RS485/RS232/Wifi/LAN

Single Phase String Inverter

SUN 5 / 6 K-G



2 MPP trackers, Max. efficiency up to 97.5%



Wide output voltage range



Zero export application, VSG application



Ani-PID function (Optional)



String intelligent monitoring (optional)

Model	SUN-5K-G	SUN-6K-G
Input Side		
Max. DC Input Power (kW)	6.5	6.6
Max. DC Input Voltage (V)	550	
Start-up DC Input Voltage (V)	80	
MPPT Operating Range (V)	70~550	
Max. DC Input Current (A)	12.5+12.5	
Number of MPPT / Strings per MPPT	2 / 1	
Output Side		
Rated Output Power (kW)	5	6
Max. Active Power (kW)	5.5	6.6
Rated AC Grid Voltage (V)	230	
AC Grid Voltage Range (V)	180~300	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Single phase	
Rated AC Grid Output Current (A)	21.7	26
Max. AC Output Current (A)	23.9	28.7
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<2%	
DC Injection Current (mA)	<0.5%	
Grid Frequency Range	47~52 or 57~62 (Optional)	
Efficiency		
Max. Efficiency	97.5%	97.5%
Euro Efficiency	97.3%	97.3%
MPPT Efficiency	>99%	
Protection		
DC Reverse-Polarity Protection	Yes	
AC Short Circuit Protection	Yes	
AC Output Overcurrent Protection	Yes	
Output Overvoltage Protection	Yes	
Insulation Resistance Protection	Yes	
Ground Fault Monitoring	Yes	
Islanding Protection	Yes	
Temperature Protection	Yes	
Integrated DC Switch	Yes	
Remote software upload	Yes	
Remote change of operating parameters	Yes	
Surge protection	DC Type II / AC Type II	
General Data		
Size (mm)	330Wx310Hx172D	
Weight (kg)	11	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25~65°C	
Ingress Protection	IP65	
Noise Emission (Typical)	<25 dB	
Cooling Concept	Natural cooling	
Max. Operating Altitude Without Derating	2000m	
Designed Lifetime	>20 years	
Grid Connection Standard	EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3	
Features		
DC Connection	MC-4 mateable	
AC Connection	IP65 rated plug	
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	

Single Phase String Inverter

SUN 8K-G



2 MPP trackers, Max. efficiency up to 97.7%



Wide output voltage range



Zero export application, VSG application



Ani-PID function (Optional)



String intelligent monitoring (optional)

Model	SUN-8K-G
Input Side	
Max. DC Input Power (kW)	10.4
Max. DC Input Voltage (V)	550
Start-up DC Input Voltage (V)	120
MPPT Operating Range (V)	100~550
Max. DC Input Current (A)	12.5+25
Number of MPPT / Strings per MPPT	2 / 1+2
Output Side	
Rated Output Power (kW)	8
Max. Active Power (kW)	8.8
Rated AC Grid Voltage (V)	230
AC Grid Voltage Range (V)	180~300
Rated Grid Frequency (Hz)	50 / 60 (Optional)
Operating Phase	Single phase
Rated AC Grid Output Current (A)	34.8
Max. AC Output Current (A)	38.3
Output Power Factor	0.8 leading to 0.8 lagging
Grid Current THD	<2%
DC Injection Current (mA)	<0.5%
Grid Frequency Range	47~52 or 57~62 (Optional)
Efficiency	
Max. Efficiency	97.7%
Euro Efficiency	97.5%
MPPT Efficiency	>99%
Protection	
DC Reverse-Polarity Protection	Yes
AC Short Circuit Protection	Yes
AC Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Islanding Protection	Yes
Temperature Protection	Yes
Integrated DC Switch	Yes
Remote software upload	Yes
Remote change of operating parameters	Yes
Surge protection	DC Type II / AC Type II
General Data	
Size (mm)	330Wx310Hx198.5D
Weight (kg)	11
Topology	Transformerless
Internal Consumption	<1W (Night)
Running Temperature	-25~65°C
Ingress Protection	IP65
Noise Emission (Typical)	<25 dB
Cooling Concept	Natural cooling
Max. Operating Altitude Without Derating	2000m
Designed Lifetime	>20 years
Grid Connection Standard	ABNT NBR 16149, ABNT NBR16150, ABNT NBR IEC 62116
Operating Surroundings Humidity	0-100%
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3
Features	
DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD1602
Interface	RS485/RS232/Wifi/LAN

Three Phase String Inverter

SUN 4 / 6 / 8 / 10 K-G03



2 MPP trackers, Max. efficiency up to 98.3%



Wide output voltage range



Zero export application, VSG application



Ani-PID function (Optional)



String intelligent monitoring (optional)

Model	SUN-4K-G03	SUN-6K-G03	SUN-8K-G03	SUN-10K-G03
Input Side				
Max. DC Input Power (kW)	5.2	7.8	10.4	13
Max. DC Input Voltage (V)	1000			
Start-up DC Input Voltage (V)	140			
MPPT Operating Range (V)	120~850			
Max. DC Input Current (A)	12.5+12.5			
Number of MPPT / Strings per MPPT	2/1			
Output Side				
Rated Output Power (kW)	4	6	8	10
Max. Active Power (kW)	4.4	6.6	8.8	11
Rated AC Grid Voltage (V)	380 / 400			
AC Grid Voltage Range (V)	277~460			
Rated Grid Frequency (Hz)	50 / 60 (Optional)			
Operating Phase	Three phase			
Rated AC Grid Output Current (A)	5.8	8.7	11.6	14.5
Max. AC Output Current (A)	6.38	9.57	12.76	16
Output Power Factor	0.8 leading to 0.8 lagging			
Grid Current THD	<2%			
DC Injection Current (mA)	<0.5%			
Grid Frequency Range	47~52 or 57~62 (Optional)			
Efficiency				
Max. Efficiency	98.3%			
Euro Efficiency	97.5%			
MPPT Efficiency	>99%			
Protection				
DC Reverse-Polarity Protection	Yes			
AC Short Circuit Protection	Yes			
AC Output Overcurrent Protection	Yes			
Output Overvoltage Protection	Yes			
Insulation Resistance Protection	Yes			
Ground Fault Monitoring	Yes			
Islanding Protection	Yes			
Temperature Protection	Yes			
Integrated DC Switch	Yes			
Remote software upload	Yes			
Remote change of operating parameters	Yes			
Surge protection	DC Type II / AC Type II			
General Data				
Size (mm)	330Wx430Hx177D			
Weight (kg)	15			
Topology	Transformerless			
Internal Consumption	<1W (Night)			
Running Temperature	-25~65°C			
Ingress Protection	IP65			
Noise Emission (Typical)	<25 dB			
Cooling Concept	Natural cooling			
Max. Operating Altitude Without Derating	2000m			
Designed Lifetime	>20 years			
Grid Connection Standard	EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2			
Operating Surroundings Humidity	0-100%			
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3			
Features				
DC Connection	MC-4 mateable			
AC Connection	IP65 rated plug			
Display	LCD1602			
Interface	RS485/RS232/Wifi/LAN			

Three Phase String Inverter

SUN 15 K-G03



2 MPP trackers, Max. efficiency up to 98.5%



Wide output voltage range



Zero export application, VSG application



Ani-PID function (Optional)



String intelligent monitoring (optional)

Model	SUN-15K-G03
Input Side	
Max. DC Input Power (kW)	18
Max. DC Input Voltage (V)	1000
Start-up DC Input Voltage (V)	250
MPPT Operating Range (V)	200~800
Max. DC Input Current (A)	11+22
Number of MPPT / Strings per MPPT	2 / 1+2
Output Side	
Rated Output Power (kW)	15
Max. Active Power (kW)	16.5
Rated AC Grid Voltage (V)	380 / 400
AC Grid Voltage Range (V)	277~460
Rated Grid Frequency (Hz)	50 / 60 (Optional)
Operating Phase	Three phase
Rated AC Grid Output Current (A)	21.8
Max. AC Output Current (A)	23.9
Output Power Factor	0.8 leading to 0.8 lagging
Grid Current THD	<2%
DC Injection Current (mA)	<0.5%
Grid Frequency Range	47~52 or 57~62 (Optional)
Efficiency	
Max. Efficiency	98.5%
Euro Efficiency	97.5%
MPPT Efficiency	>99%
Protection	
DC Reverse-Polarity Protection	Yes
AC Short Circuit Protection	Yes
AC Output Overcurrent Protection	Yes
Output Overvoltage Protection	Yes
Insulation Resistance Protection	Yes
Ground Fault Monitoring	Yes
Islanding Protection	Yes
Temperature Protection	Yes
Integrated DC Switch	Yes
Remote software upload	Yes
Remote change of operating parameters	Yes
Surge protection	DC Type II / AC Type II
General Data	
Size (mm)	330Wx430Hx193.5D
Weight (kg)	17
Topology	Transformerless
Internal Consumption	<1W (Night)
Running Temperature	-25~65°C
Ingress Protection	IP65
Noise Emission (Typical)	<45 dB
Cooling Concept	Smart cooling
Max. Operating Altitude Without Derating	2000m
Designed Lifetime	>20 years
Grid Connection Standard	EN50549, IEC61727, VDE 0126-1-1, IEC62109-1-2
Operating Surroundings Humidity	0-100%
Safety EMC / Standard	IEC62109-1/-2, EN61000-6-1, EN61000-6-3
Features	
DC Connection	MC-4 mateable
AC Connection	IP65 rated plug
Display	LCD1602
Interface	RS485/RS232/Wifi/LAN