






Three Phase String Inverter

SUN-4/5/6/7/8/10/12/15K-G06P3-EU-AM2



-  2 MPP trackers, Max. efficiency up to 98.5%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)






Technical Data

Model	SUN-4K-G06P3 -EU-AM2	SUN-5K-G06P3 -EU-AM2	SUN-6K-G06P3 -EU-AM2	SUN-7K-G06P3 -EU-AM2	SUN-8K-G06P3 -EU-AM2	SUN-10K-G06P3 -EU-AM2	SUN-12K-G06P3 -EU-AM2	SUN-15K-G06P3 -EU-AM2
Input Side								
Max. DC Input Power (kW)	5.2	6.5	7.8	9.1	10.4	13	15.6	19.5
Max. DC Input Voltage (V)	1100							
Start-up DC Input Voltage (V)	140							
MPPT Operating Range (V)	120-1000							
Max. DC Input Current (A)	13+13							13+26
Max. Short Circuit Current (A)	19.5+19.5							19.5+39
No. of MPP Trackers	2							
No. of Strings per MPP Tracker	1+1							1+2
Output Side								
Rated Output Power (kW)	4	5	6	7	8	10	12	15
Max. Active Power (kW)	4.4	5.5	6.6	7.7	8.8	11	13.2	16.5
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V							
Rated Grid Frequency (Hz)	50 / 60 (Optional)							
Operating Phase	Three Phase							
Rated AC Grid Output Current (A)	6.1/5.8	7.6/7.3	9.1/8.7	10.7/10.2	12.2/11.6	15.2/14.5	18.2/17.4	22.8/21.8
Max. AC Output Current (A)	6.7/6.4	8.4/8	10/9.6	11.7/11.2	13.4/12.8	16.7/16	20/19.2	25/24
Output Power Factor	0.8 leading to 0.8 lagging							
Grid Current THD	<3%							
DC Injection Current (mA)	<0.5%							
Grid Frequency Range	45~55 or 55~65 (Optional)							
Efficiency								
Max. Efficiency	98.1%	98.2%			98.3%			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							
Anti-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								
Cabinet Size (WxHxD mm)	283x463x178 (Excluding Connectors and Brackets)							
Weight (kg)	11							
Topology	Transformerless							
Internal Consumption	<1W (Night)							
Running Temperature	-25~60°C, >45°C Derating							
Ingress Protection	IP65							
Noise Emission (Typical)	<45 dB							
Cooling Concept	Free Cooling							
Permissible Altitude (m)	4000							
Warranty	5 Years							
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105							
Operating Surroundings Humidity	0-100%							
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							
Features								
Display	LCD1602							
Interface	RS485/RS232/Wifi/LAN							

Three Phase String Inverter

SUN-15/17K-G05



-  2 MPP trackers, Max. efficiency up to 98.5%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)






Technical Data

Model	SUN-15K-G05	SUN-17K-G05
Input Side		
Max. DC Input Power (kW)	19.5	22.1
Max. DC Input Voltage (V)	1000	
Start-up DC Input Voltage (V)	250	
MPPT Operating Range (V)	200-850	
Max. DC Input Current (A)	13+26	
Max. Short Circuit Current (A)	19.5+39	
No. of MPP Trackers	2	
No. of Strings per MPP Tracker	1+2	
Output Side		
Rated Output Power (kW)	15	17
Max. Active Power (kW)	16.5	18.7
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V	
Rated Grid Frequency (Hz)	50 / 60 (Optional)	
Operating Phase	Three Phase	
Rated AC Grid Output Current (A)	22.7/21.7	25.8/24.6
Max. AC Output Current (A)	25/23.9	28.3/27.1
Output Power Factor	0.8 leading to 0.8 lagging	
Grid Current THD	<3%	
DC Injection Current (mA)	<0.5%	
Grid Frequency Range	45~55 or 55~65 (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	
Anti-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		
Cabinet Size (WxHxD mm)	333x472x203 (Excluding Connectors and Brackets)	
Weight (kg)	15	
Topology	Transformerless	
Internal Consumption	<1W (Night)	
Running Temperature	-25~65°C, >45°C Derating	
Ingress Protection	IP65	
Noise Emission (Typical)	≤40 dB	
Cooling Concept	Smart Cooling	
Permissible Altitude (m)	4000	
Warranty	5 Years	
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G98, G99, VDE 4105	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
Features		
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	

Three Phase String Inverter

SUN-18/20/25K-G04 SUN-18/20/25K-G05



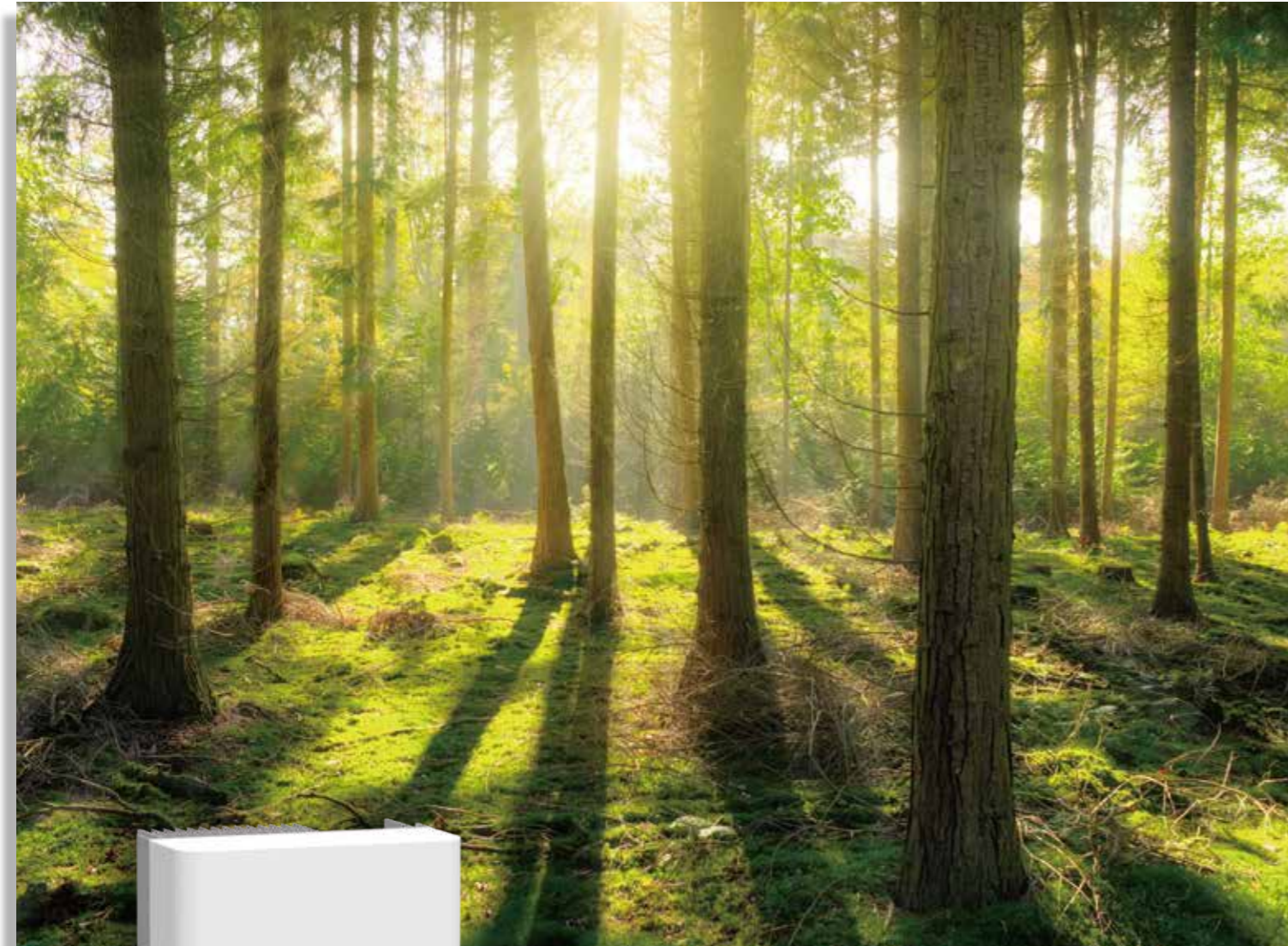
-  2 MPP trackers, Max. efficiency up to 98.6%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)






Technical Data

Model	SUN-18K-G04	SUN-20K-G04	SUN-25K-G04	SUN-18K-G05	SUN-20K-G05	SUN-25K-G05
Input Side						
Max. DC Input Power (kW)	23.4	26	32.5	23.4	26	32.5
Max. DC Input Voltage (V)	1000					
Start-up DC Input Voltage (V)	250					
MPPT Operating Range (V)	200-850					
Max. DC Input Current (A)	32+32			26+26		
Max. Short Circuit Current (A)	48+48			39+39		
No. of MPP Trackers	2					
No. of Strings per MPP Tracker	3+3			2+2		
Output Side						
Rated Output Power (kW)	18	20	25	18	20	25
Max. Active Power (kW)	19.8	22	27.5	19.8	22	27.5
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V					
Rated Grid Frequency (Hz)	50 / 60 (Optional)					
Operating Phase	Three Phase					
Rated AC Grid Output Current (A)	27.3/26.1	30.3/29	37.9/36.2	27.3/26.1	30.3/29	37.9/36.2
Max. AC Output Current (A)	30/28.7	33.3/31.9	41.7/39.8	30/28.7	33.3/31.9	41.7/39.8
Output Power Factor	0.8 leading to 0.8 lagging					
Grid Current THD	<3%					
DC Injection Current (mA)	<0.5%					
Grid Frequency Range	45~55 or 55~65 (Optional)					
Efficiency						
Max. Efficiency	98.6%					
Euro Efficiency	97.8%					
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					
Anti-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						
Cabinet Size (WxHxD mm)	362×577×215 (Excluding Connectors and Brackets)			362×527×220 (Excluding Connectors and Brackets)		
Weight (kg)	23			20		
Topology	Transformerless					
Internal Consumption	<1W (Night)					
Running Temperature	-25~65°C, >45°C Derating					
Ingress Protection	IP65					
Noise Emission (Typical)	≤40 dB					
Cooling Concept	Smart Cooling					
Permissible Altitude (m)	2000			4000		
Warranty	5 Years					
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105					
Operating Surroundings Humidity	0-100%					
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2					
Features						
Display	LCD1602					
Interface	RS485/RS232/Wifi/LAN					

Three Phase String Inverter

SUN-30/33/35/36K-G04



-  2 MPP trackers, Max. efficiency up to 98.6%
-  Zero export application, VSG application
-  String intelligent monitoring (optional)
-  Wide output voltage range
-  Anti-PID function (Optional)

Technical Data

Model	SUN-30K-G04	SUN-33K-G04	SUN-35K-G04	SUN-36K-G04
Input Side				
Max. DC Input Power (kW)	39	42.9	45.5	46.8
Max. DC Input Voltage (V)	1000			
Start-up DC Input Voltage (V)	250			
MPPT Operating Range (V)	200-850			
Max. DC Input Current (A)	40+40			
Max. Short Circuit Current (A)	60+60			
No. of MPP Trackers	2			
No. of Strings per MPP Tracker	3+3			
Output Side				
Rated Output Power (kW)	30	33	35	36
Max. Active Power (kW)	33	36.3	38.5	39.6
Nominal Output Voltage / Range (V)	3L/N/PE 220/380V, 230/400V			
Rated Grid Frequency (Hz)	50 / 60 (Optional)			
Operating Phase	Three Phase			
Rated AC Grid Output Current (A)	45.5/43.5	50/47.8	53/50.7	54.5/52.2
Max. AC Output Current (A)	50/47.9	55/52.6	58.3/55.8	60/57.4
Output Power Factor	0.8 leading to 0.8 lagging			
Grid Current THD	<3%			
DC Injection Current (mA)	<0.5%			
Grid Frequency Range	45~55 or 55~65 (Optional)			
Efficiency				
Max. Efficiency	98.6%			
Euro Efficiency	97.8%			
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			
Anti-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				
Cabinet Size (WxHxD mm)	362x577x215 (Excluding Connectors and Brackets)			
Weight (kg)	23			
Topology	Transformerless			
Internal Consumption	<1W (Night)			
Running Temperature	-25~65°C, >45°C Derating			
Ingress Protection	IP65			
Noise Emission (Typical)	≤50 dB			
Cooling Concept	Smart Cooling			
Permissible Altitude (m)	2000			
Warranty	5 Years			
Grid Connection Standard	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105			
Operating Surroundings Humidity	0-100%			
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			
Features				
Display	LCD1602			
Interface	RS485/RS232/Wifi/LAN			