

# Three Phase String Inverter

SUN-15/17K-G05



2 MPPT trackers, Max. efficiency up to 98.5%



Zero export application, VSG application



String intelligent monitoring (optional)



Wide output voltage range



Anti-PID function (Optional)

Model	SUN-15K-G05	SUN-17K-G05
<b>Input Side</b>		
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
<b>Output Side</b>		
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	47-52 or 57-62 (Optional)	
<b>Efficiency</b>		
Max. Efficiency	98.5%	
Euro Efficiency	97.5%	
MPPT Efficiency	>99%	
<b>Protection</b>		
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	
<b>General Data</b>		
Size (mm)	333W×472H×202D	
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	
Max. Operating Altitude Without Derating	2000m	
Warranty	5 Years	
Grid Connection Standard	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150	
Operating Surroundings Humidity	0-100%	
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	
<b>Features</b>		
DC Connection	MC-4 Mateable	
AC Connection	IP65 Rated Plug	
Display	LCD1602	
Interface	RS485/RS232/Wifi/LAN	