

Three Phase String Inverter

SUN- 15 / 17 K-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			
Number of MPPT / Strings per MPPT	2/1+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 380V/323V-418V, 400V/340V-440V			
Rated Grid Frequency (Hz)	50 / 60 (Optional)			
Operating Phase	Three phase			
Rated AC Grid Output Current (A)	21.7		24.6	
Max. AC Output Current (A)	23.9		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)			
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				
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			
Designed Lifetime	>20 years			
Grid Connection Standard	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11			
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				
DC Connection	MC-4 mateable			
AC Connection	IP65 rated plug			
Display	LCD1602			
Interface	RS485/RS232/Wifi/LAN			