

Three Phase String Inverter

SUN- 18 / 20 / 25 K-G04



2 MPP trackers, Max. efficiency up to 98.6%



Zero export application, VSG application



String intelligent monitoring (optional)



Max. DC input current of 16A/string, adapt to 600W solar panel



Wide output voltage range



Anti-PID function (Optional)

Model	SUN-18K-G04	SUN-20K-G04	SUN-25K-G04
Input Side			
Max. DC Input Power (kW)	21.6	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		
Max. Short Circuit Current (A)	48+48		
Number of MPPT / Strings per MPPT	2 / 2	2 / 2	2 / 3
Output Side			
Rated Output Power (kW)	18	20	25
Max. Active Power (kW)	19.8	22	27.5
Rated AC Grid Voltage (V)	220 / 380, 230 / 400		
AC Grid Voltage Range (V)	277Vac~460Vac (this may vary with grid standards)		
Rated Grid Frequency (Hz)	50 / 60 (Optional)		
Operating Phase	Three phase		
Rated AC Grid Output Current (A)	26.1	29	36.2
Max. AC Output Current (A)	28.7	31.9	39.9
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	98.6%		
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			
Size (mm)	330W×508H×206D		
Weight (kg)	20.8		
Topology	Transformerless		
Internal Consumption	<1W (Night)		
Running Temperature	-25~65℃		
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	EN50549-1,VDE 0126-1-1		
Operating Surroundings Humidity	0-100%		
Safety EMC / Standard	IEC62109-1/-2,IEC61000-6-2,IEC61000-6-4		
Features			
DC Connection	MC-4 mateable		
AC Connection	IP65 rated plug		
Display	LCD1602		
Interface	RS485/RS232/Wifi/LAN		