

11.Specification

<i>Model</i>	<i>SUN-18K-G04</i>	<i>SUN-20K-G04</i>	<i>SUN-25K-G04</i>
Input Side			
Max.DC Power(kW)	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	32+32	32+32
Max. Short Circuit Current (A)	48+48	48+48	48+48
Number of MPPT/Strings per MPPT	2/3	2/3	2/3
MAX inverter backfeed current (A)		0	
Output Side			
Rated Output Power(kW)	18	20	25
Max.Active Power(kW)	19.8	22	27.5
Rated AC Grid Voltage(V)		3L/N/PE 220/380V 230/400V	
AC Grid Voltage Range(V)		0.85Un-1.1Un (this may vary with grid standards)	
Rated Grid Frequency(Hz)		50/60 (Optional)	
Operating Phase		Three phase	
Rated AC Grid Output Current(A)	27.3/26.1A	30.3/29A	37.9/36.2A
Max.AC Output Current(A)	30/28.7A	33.3/31.9A	41.7/39.8A
Maximum output fault current (a.c. A, peak)	49.8	55.4	69.1
Maximum output overcurrent protection (a.c. A, peak)	55.4	61.5	76.8
Output Power Factor		0.8 leading~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%	
General Data			
Size(mm, W×H×D)		330×508×206	
Weight(kg)		20.8	
Topology		Transformerless	
Internal consumption		<1W (Night)	
Operating temperature		-25 ~ 65 °C, >45 °C derating	
Ingress protection		IP65	
Noise Emission(Typical)		<40 dB	
Cooling Concept		Smart cooling	
Max. operation altitude		2000m	
Designed Lifetime		>20 Years	
Grid Connection Standard		VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150	
Operation surrounding humidity		0~100%	
Safety EMC / Standard		IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2	