

Solar Inverter Single phase GS-5000-S



Model	GS-5000-S
INPUT (DC)	
Max. input power(W)	6500
Max. input voltage(V)	600
Start-up voltage(V)	120
Rated input voltage(V)	360
MPPT voltage range(V)	90 - 550
MPPT voltage range at full load(V)	190 - 480
Max. input current (A)	15A×2
Max. short circuit current	20A×2
Number of MPPTs	2
OUTPUT (AC)	
Rated output power (KW)	5
Max. output current (A)	21.8
Rated grid voltage(Vac)	230
Grid voltage range (Vac)	180-280
Rated grid frequency(Hz)	50 / 60
Grid frequency range(Hz)	45 - 55 / 55 - 65
THD (%)	< 3
Power factor	> 0.99
Power factor adjustable	0.8 leading ~ 0.8 lagging
Efficiency	
Max. efficiency(%)	97.8
European efficiency (%)	97.3
Mechanical specifications	
Dimensions(mm)	370×126.5×420
Weight(Kg)	10.9

General information		
Operating temperature(°C)	-25 ~ +60	
Altitude(%)	0~100	
IP rating	IP65	
Other		
Protections	DC reverse polarity protection, Dc input impedance monitoring, Leakage current protection, Output short-circuit protection, Anti-Islanding protection, Output Dc component detection, Ground insulation resistance detection, Output overcurrent protection, Output overvoltage protection, Dc surge protection, Ac surge protection	
Protective class	I	
overvoltage category	II(DC) / III(AC)	
Communication protocol	RS485	●
	Wi-Fi	○
	Bluetooth	○
	GPRS	○
Communication device	Internal Wi-Fi module	○
	External Wi-Fi module	○
	Arkabin monitoring system	○
Display	LED	
Self-consumption at night	<0.5W	
Cooling	Natural cooling	
Installation method	Wall-mounted	
Body Material	Die Casting-Aluminum	
Isolation	Transformerless	
according to standards	IEC/EN 62116, IEC61727,VDE V 0126-1-1, IEC/EN 62109-1, IEC/EN 62109-2, EN61000-6-1, EN 61000-6-2, EN61000-6-3, EN61000-6-4	
DC wiring terminal	MC4	
AC wiring terminal	Plug and play	
Altitude(m)	4000m	
Noise	<40db	

● Standard feature ○ Optional feature