

GS Hybrid charger solar inverter 8000W-12KW



Product Name: **GS Hybrid charger solar inverter 8000W-12KW**

Mode No. : GS8000-48,GS10K-48,GS12K-48

Classification: Solar Inverter

Introduction: Hybrid charger solar inverter, Mainly used for solar station, home solar power system, mobile solar power system.



Model		GS8000W	GS10KW	GS12KW
AC Input	Nominal Power	8000W	10KW	12KW
	Input Voltage Waveform	Sinusoidal (utility or generator)		
	Nominal input Voltage	230Vac ±10%rms		
	Low Line Disconnect	184Vac±4%(Normal) or 135Vac±4%(Wide)		
	High Line Disconnect	263Vac±4%(Normal) or 263Vac±4%(Wide)		
	Max AC input Voltage	Max 270Vac		
	Frequency	50Hz:41-54Hz, 60Hz:51-64Hz		
AC output	Output Voltage Waveform	Sine wave		
	Power Factor	0.9~1.0		
	Nominal Output Voltage (V)	230Vac ±10%rms		
	Nominal Output Frequency (Hz)	50Hz ± 0.3Hz, 60Hz ± 0.3Hz		
Solar charger	Rated Charge Current	60A		
	PV Input Voltage range	60-110VDC		
	Charger mode	MPPT		
	PV Low Voltage Re-connect	PV≥Bat.V+3V		
	Efficiency	≥97%		
AC Charger	Nominal Charger Current	35A/50A/70A(According to the inverter model) 5 stages adjustable charging current		
	Over charge Protection	Bat.V≥62.0VDC battery beeps 0.5s every 1s & fault after 60s		
Efficiency	Efficiency(Battery Mode)	≥87%		
	Efficiency (Line Mode)	>98%		
Battery Voltage	Nominal DC input Voltage	48VDC		
	Low Battery Alarm	42VDC±1.2VDC		
	High DC input Alarm & Fault	64VDC±1.2VDC		
	Transfer Time	20ms(max)		
System Parameter	Over-Load Protection	110% < load < 150%, beeps 0.5s every 1s, and Fault after 60s off the output, load > 150%, beeps 0.5s every 1s, and Fault after 20s		

	Output Short Circuit Protection	Current limit (Fault after 10s)		
	Power Saver	Load≤25W(Enabled on "P/S auto"Setting of Remote control)		
	Protections	Low battery, over charging, over load, over temp		
General Specifications	Operating Temperature Range	0°C to 40°C		
	Storage Temperature	- 15°C~60°C		
	Operation humidity	5% to 95%(non-condensing)		
	Audible Noise	60dB max		
	cooling	Forced air,variable speed fan		
	Dimension(L*W*H)	627*416*204mm		
	Net Weight(kg)	52.5	58.5	66.5