



Model		GS1000W	GS1500W	GS2000W	GS3000W
AC Input	Nominal Power	1000W	1500W	2000W	3000W
	Input Voltage Waveform	Sinusoidal (utility or generator)			
	Nominal input Voltage	120/230VAC			
	Low Line Disconnect	85Vac±4%(Normal) or 80Vac±4% (Wide) for 120V 184Vac±4%(Normal) or 135Vac±4%(Wide) for 230V			
	High Line Disconnect	136Vac±4%(Normal) or 140Vac±4%(Wide) for 120V 263Vac±4%(Normal) or 263Vac±4%(Wide) for 230V			
	Max AC input Voltage	120V for Max150V, 230V for Max270V			
	Frequency	50Hz:41-54Hz, 60Hz:51-64Hz			
AC output	Output Voltage Waveform	Sine wave			
	Power Factor	0.9~1.0			
	Nominal Output Voltage (V)	LV:120Vac ±10%rms, HV:230Vac ±10%rms			
	Nominal Output Frequency (Hz)	50Hz ± 0.3Hz, 50Hz ± 0.3Hz			
Solar charger	Rated Charge Current	40A	60A		
	PV Input Voltage range	15VDC-40VDC for 12VDC, 30VDC-55VDC for 24VDC, 60-110VDC for 48V			
	Max.PV open circuit array voltage	12V for 40Vdc, 24V for 55Vdc, 48V for 110Vdc			
	Charger mode	MPPT			
	PV Low Voltage Re-connect	PV≥Bat.V+3V			
	PV Low Voltage Disconnect	PV≤Bat.V			
	Efficiency	≥97%			
AC Charger	Nominal Charger Current	35A/50A/70A/90A(According to the inverter model) 5 stages adjustable charging current			
	Over charge Protection	Bat.V≥15.5VDC for 12V battery、 Bat.V≥31.0VDC for 24V battery 、 Bat.V≥62.0VDC for 48V battery beeps 0.5s every 1s & fault after 60s			
Efficiency	Efficiency(Battery Mode)	≥87%			
	Efficiency (Line Mode)	>98%			
Battery Voltage	Nominal DC input Voltage	12/24/48VDC			
	Low Battery Alarm	10.5VDC±0.3VDC for 12VDC			
		21VDC±0.6VDC for 24VDC			
		42VDC±1.2VDC for 48VDC			
High DC input	16VDC±0.3VDC for 12VDC				



www.pscsolaruk.com

	Alarm & Fault	32VDC±0.6VDC for 24VDC			
		64VDC±1.2VDC for 48VDC			
	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)			
	Surge Rating(10s)	1:3(VA)			
	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~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)	480*336*190mm			
	Net Weight(kg)	19.5	21.5	23.5	28

Product specifications are subject to change without further notice, the form is only for reference, please make the specific parameters as the standard.

Product Name: **CNS Hybrid charger solar inverter**  
**1000W-8000W**  
 Mode No. : GS1000,GS1500,GS2000,GS3000  
 (12V/24V/48V)  
 Classification: Solar Inverter  
 Introduction:

