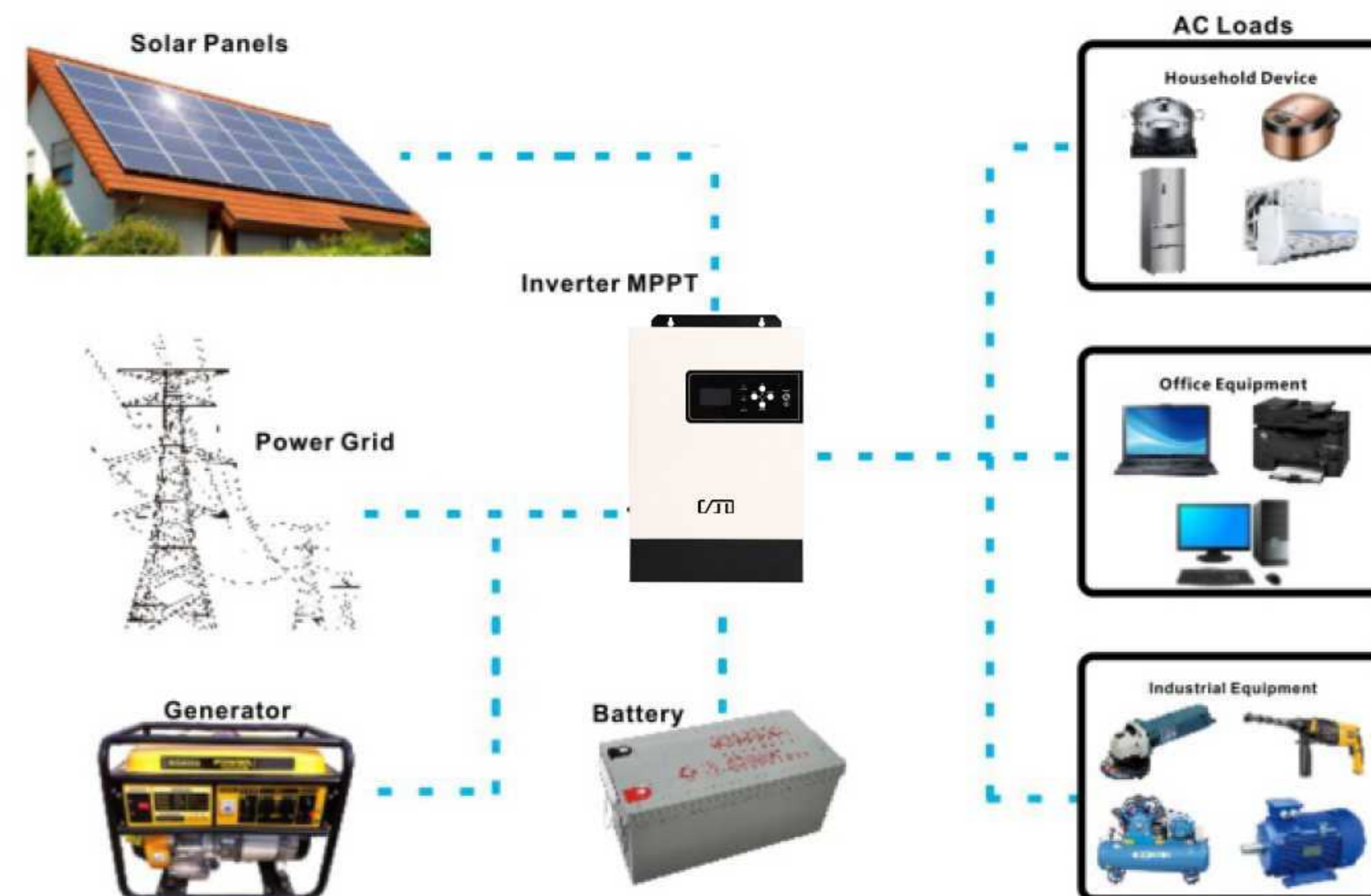




## SHG SERIES SOLAR INVERTER WITH MPPT CONTROLLER



### FEATURES

- ◆ Lithium Battery Auto-restart Function, More Convenient for Lithium Battery Charging
- ◆ Intelligent Power Supply Mode, Intelligent Distribution Of Solar Panel/Mains/Battery Power Share
- ◆ Utility Charging Voltage/PV Charging Voltage Adjustable, Matching Different Battery Charging Requirements
- ◆ Battery Reverse Connection Protection with Fuse Switch, Safer Installation
- ◆ Support Working without Battery: Reduce Solar System Cost
- ◆ Communication Option: External WIFI, Supervise at Any Time
- ◆ Parallel operation up to 9 units in 1 phase or 3-phase



## TECHNICAL PARAMETERS

Model		SHG-3000	SHG-5500
Input Voltage	Input Formation	L+N+PE	
	AC Input	220/230/240VAC	
	Input Voltage Range	90-280VAC±3V(Normal Mode) 170-280VAC±3V(UPS Mode)	
	Frequency	50/60Hz(Adaptive)	
Output	Rated Power	3000W	5500W
	Output Voltage	220/230/240VAC±5%	
	Output Frequency	50/60Hz±0.1%	
	Output Wave	Pure Sine Wave	
	Transfer Time(Adjustable)	10ms for Computer Equipment,20ms for Household Equipment	
	Peak Power	6000VA	11000VA
	Overload Ability	Battery Mode:21s 105%-150% Load; 11s 150%-200% Load; 400ms> 200% Load	
	Rated Voltage	24VDC	48VDC
Battery	Constant Charging Voltage(Adjustable)	28.2VDC	56.4VDC
	Float Charging Voltage (Adjustable)	27VDC	54VDC
	PVCharging Method	MPPT	
Charger	Max PV Input	4200W	5500W
	MPPT Tracking Range	120~500VDC	120~500VDC
	BestVMP Working Range	300-400VDC	300~400VDC
	MAX PV Input Voltage	500VDC	500VDC
	MAX PV Input Current	18A	
	MAX PV Charge Current	100A	100A
	MAX AC Charge Current	60A	60A
	MAX Charge Current	100A	100A
Display	LCD	Can display operating mode/load/input/output	
Interface	RS232	5PIN/Pitch2.54mm,Baud Rate 2400	
	Expansion Slot Communication Interface	Ithium Battery BMS Communication Card,WIFI 2×5PIN/Pitch2.54mm	
Ambient Temperature	Operating Temperature	-10°C~50°C	
	Storage Temperature	-15°C~60°C	
	Altitude	No more than 1000m,If 1000m<,Rate power willower,MAX 4000m,Refer to IEC62040	
	Operating Environment Humidity	20%-95%Non Condensing	
	Noise	≤50db	
Dimension	L*W*H(mm)	482X325X125MM	
Standards and Certifications		EN-IEC 60335-1,EN-IEC 60335-2-29,JEC 62109-1	