

# ENERGY STORAGE INVERTER

GA SERIES



## ENERGY STORAGE INVERTER GA 4000VA~12400VA



### FEATURES

- Lithium Battery Auto-restart Function, More Convenient for Lithium Battery Charging
- Intelligent Power Supply Mode, Intelligent Distribution of Solar Panel/Mains/Battery Power Shares
- Utility Charging Voltage/PV Charging Voltage Adjustable, Match Different Battery Charging Requirements
- Slim Body, Convenient Installation And Transportation
- Battery Reverse Connection Protection with Fuse Switch, Safer Installation
- PFI.0, High Efficiency, Lower Consumption, Energy Conservation/ Environmental Protection/ Electricity Saving/ Cost Saving
- Support Working without Battery: Reduce Solar System Cost
- Parallel Function Up to Maximum 9 Units: Enlarge More Loads
- High Precision of Output Voltage,  $\pm 5\%$ , Take Care of Your Appliances
- Communication Option: External WIFI, Supervise at Any Time
- BMS function for lithium battery

### APPLICATION



Commercial car park



Street lighting/monitoring



Family/greenhouse



Commercial/construction

### PARAMETERS

Model	GA2024EMH	GA3024EMH	GA3024MH	GA3624MH	GA5548MH	GA6248MH
Input Formation	L+N+PE					
AC Input	220/230/240VAC					
Input Voltage Range	90-280VAC $\pm 3V$ (Normal Mode)185-264VAC $\pm 3V$ (UPS Mode)					
Frequency	50/60Hz(Adaptive)					
Rated Power	2000W	3000W	3000W	3600W	5500W	6200W
Output Voltage	208/220/230/240VAC $\pm 5\%$					
Output Frequency	50/60Hz $\pm 0.1\%$					
Output Wave	Pure Sine Wave					
Transfer Time(Adjustable)	10ms for Computer Equipment,20ms for Household Equipment					
Peak Power	4000VA	6000VA	6000VA	7200VA	11000VA	12400VA
Overload Ability	Battery Mode : 21s@102%-110% load 10s@110%-130% load 3s@130%-150% load 400ms@>150% load					
Peak Efficiency(Battery Model)	>94%					
Rated Voltage	24VDC			48VDC		
Constant Charging Voltage	28.2VDC			56.4Vdc		
Float Charging Voltage	27VDC			54VDC		
PV Charging Method	MPPT					
Max PV Input	2000W	3000W	4200W	4200W	5500W	6200W
MPPT Tracking Range	30-450VDC	40-500VDC	90-500VDC	90-500VDC	90-500VDC	90-500VDC
MAX PV Input Voltage	450VDC	500VDC	500VDC	500VDC	500VDC	500VDC
MAX PV Charge Current	60A	100A	100A	100A	100A	100A
MAX AC Charge Current	60A	60A	60A	80A	60A	80A
MAX Charge Current	80A	100A	100A	120A	100A	100A
LCD	Can display operating mode/load/input/output					
RS232	5PIN/Pitch2.54mm,Baud Rate 2400					
Expansion Slot Communication Interface	Lithium Battery BMS Communication Card,WIFI 2*5PIN/Pitch2.54mm					
Parallel Interface	Not Support Parallel			Support Parallel		
Operating Temperature	0°C-40°C					
Storage Temperature	-15°C-60°C					
Ork Altitude	No more than 1000m, If 1000m<,Rate power will lower, MAX 4000m, Refer					
Operating Environment Humidity	Non Condensing					
Noise	<50dB					
L*W*H(mm)	395*285*118mm		495*312*125mm			



## ENERGY STORAGE INVERTER GA 8600VA~11000VA



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### APPLICATION



Island



Construction/housing



Factory/Meeting Center



Agriculture/animal husbandry

### PARAMETERS

Model	GA8648MH	GA11048MH
Nominal Voltage	220/230/240VAC	
Voltage Range	90-280VAC $\pm 3V$ (Inverter Mode) 170-280VAC $\pm 3V$ (UPS Mode)	
Frequency	50-60Hz Auto sensing	
Rated Output Power	8600W	11000W
Output Voltage (AC)	220/230/240VAC $\pm 5\%$	
Output Frequency	50/60Hz $\pm 0.1\%$	
Waveform	Pure sine wave	
Transfer time (AC to DC)	10ms for Computer Equipment, 20ms for Household Equipment	
Peak Power	16000VA	22000VA
Overload Capacity (Battery Mode)	21s@105%-150% Load	11s@150%-200% Load 400ms@>200% Load
Grid connected Operation	Output Voltage	220/230/240VAC
	Grid Voltage Range	195-253VA
	Grid Frequency Range	49-51 $\pm 1$ Hz/59-61 $\pm 1$ Hz
	Output Current	34.7A
	Power Factor Range	>0.99
Peak Efficiency (Battery Model)	98%	
Norminal Voltage	48VDC	
Constant Charging Voltage	56.4VDC	
Float Charging Voltage	54VDC	
PV Charging Way	MPPT	
Max PV Input Power	2*5500W	2*5500W
MPPT Controller Voltage	90-500VDC	
MAX PV Input Voltage	500VDC	500VDC
MAX PV Charge Current	150A	150A
MAX AC Charge Current	120A	150A
MAX Charge Current	150A	150A
LCD Display	AC input Voltage, AC input frequency, PV Voltage, PV Current, Output Voltage, Output Frequency, Battery Voltage, Load Current, etc.	
RS232	5PIN/Pitch 2.0mm	
Expansion Slot Communication Interface	2*5PIN/Pitch 2.54mm, Lithium battery BMS communication card, WIFI, etc	
Parallel Interface	Yes	
Operating Temperature	0-40°C	
Humidity	20%-95% (Non-condensing)	
Storage Temperature	-15-60°C	
Altitude	<1000m	
Noise (dB)	$\leq 50$ db	