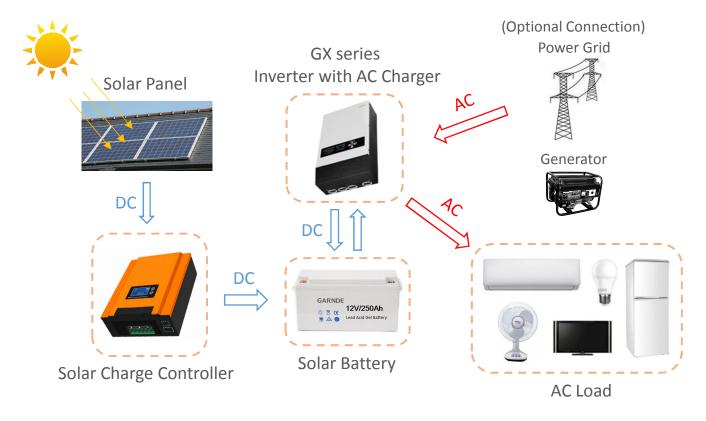


Energy Storage Solar System



2160W 2700W 3240W 4320W 5400W

SYSTEM DIAGRAM



STANDARD SYSTEMS

Solar Power	Drawing No. (System No.)	Stored Energy for Usage (Batteries 50% Discharged)
2160W	HR2160	4800Wh
2700W	HR2700	6000Wh
3240W	HR3240	7200Wh
4320W	HR4320	9600Wh
5400W	HR5400	12000Wh

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2160W 2700W 3240W 4320W 5400W

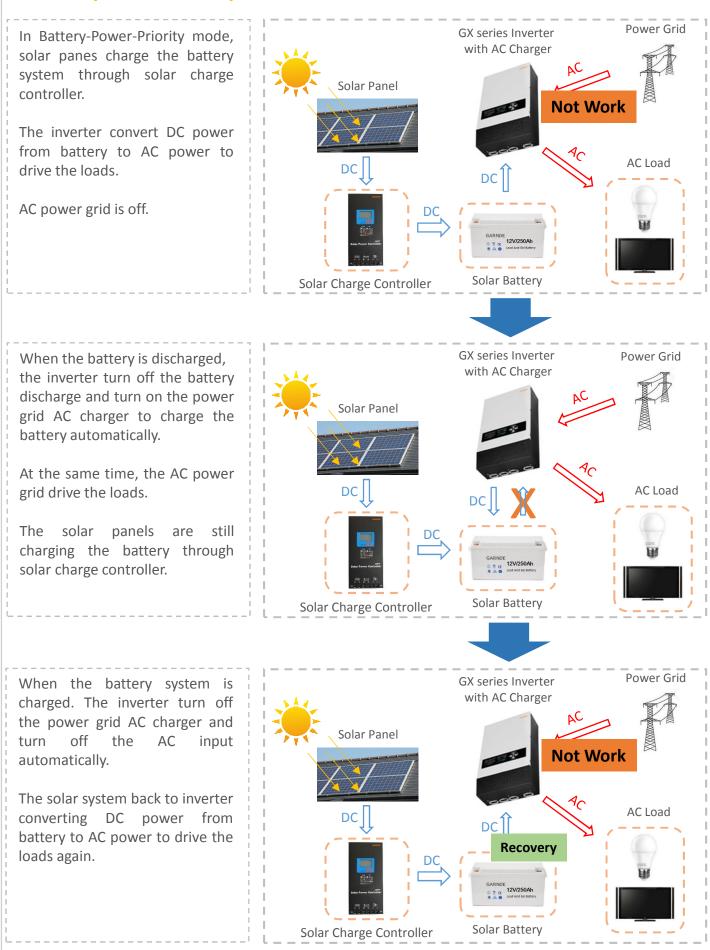
APPLICATIONS & FEATURES

- * Applicable for areas where have unstable power grid or high cost power.
- **Grid power priority or battery power priority can be selected and set on inverter (LCD display).**
- ***** Battery power be the emergency power when grid power is off in Grid-Power-Priority mode.
- * Automatically switch to grid power when battery power is discharged to a certain range in Battery-Power-Priority mode.
- ***** Easy for installation and maintenance.
- * Reliable for long-time running.



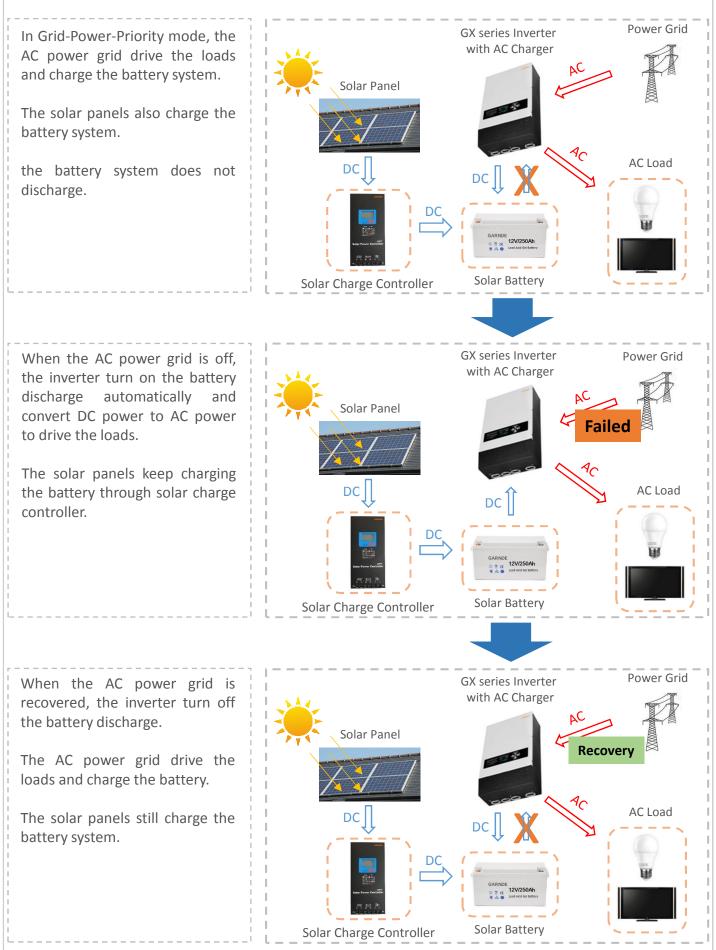
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Battery-Power-Priority mode



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Grid-Power-Priority mode



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Model	HR2160	HR2700	
Solar Power	2160W	2700W	
Dessible Applicate	Light Bulb, Table Fan, TV, Refrigerator	Light Bulb, Table Fan, TV, Refrigerator	
Possible Appliance	Laptop Computer, Microwave Oven, etc.	9000BTU Air Conditioner, etc.	
Load Power	< 3000W	< 3000W	
	Solar Panel		
Туре	Poly 270W	Poly 300W	
Quantity	8 pcs	9 pcs	
Dimensions	1640 x 992 x 40mm	1956 x 992 x 45mm	
Maximum Power Voltage (Vmp)	31.26V	36.72V	
Maximum Power Current (Imp)	8.64A	8.17A	
	PV Cable and Connector		
Outdoor PV Cable	4mm ²	4mm ²	
2 to 1 PV Connector	1 pair	/	
3 to 1 PV Connector	/	1 pair	
MC4 Connector	1 pair	1 pair	
	Solar Charge Controller		
Model	SM48-50	SM48-60	
Quantity	1 pc	1 pc	
Charging Mode	МРРТ		
Max. PV Input Voltage	150V		
Protection Grade	IP	30	
S	olar Battery (Lead Acid Gel Battery	()	
Туре	12V 200Ah	12V 250Ah	
Quantity	4 pcs	4 pcs	
Battery System Voltage	48V	48V	
	Inverter with AC Charger		
Model	GX3000	0-48-230	
Rated Power	3000W		
Peak Power	6000W		
DC Input Voltage	48VDC		
AC Output Voltage Options (US or EU)	110VAC / 230VAC		
AC Output Waveform	Pure Sine Wave		
Protection Grade	IP	30	
	Cable		
Indoor DC Cable,			
DC Circuit Breaker to Solar Charge	Minimum 5 AWG Wire	Minimum 3 AWG Wire	
Controller,	or	or	
Solar Charge Controller to Battery,	RV 16mm ² Wire	RV 25mm² Wire	
Battery to Power Inverter			
	PV Mounting System		
Material		Galvanized Steel	
	General Features		
Working Condition			
Self-protection	Over-load protection, short-circu	it protection, over-heat protection	

Model	HR3240	
Solar Power	3240W	
Possible Appliance	Light Bulb, Table Fan, TV, Refrigerator, Microwave Oven, Air Conditioner, etc.	
Load Power	<4000W	
	Solar Panel	
Туре	Poly 270W	
Quantity	12 pcs	
Dimensions	1640 x 992 x 40mm	
Maximum Power Voltage (Vmp)	31.26V	
Maximum Power Current (Imp)	8.64A	
	PV Cable and Connector	
Outdoor PV Cable	4mm ²	
2 to 1 PV Connector	2 pairs	
MC4 Connector	2 pairs	
	Solar Charge Controller	
Model	SM48-40	
Quantity	2 pcs	
Charging Mode	MPPT	
Max. Charging Current	40A	
Max. PV Input Voltage	150V	
Protection Grade	IP30	
So	lar Battery (Lead Acid Gel Battery)	
Туре	12V 150Ah	
Quantity	8 pcs	
Battery System Voltage	48V	
	Inverter with AC Charger	
Model	GX4000-48-230	
Rated Power	4000W	
Peak Power	8000W	
DC Input Voltage	48VDC	
AC Output Voltage Options (US or EU)	110VAC / 230VAC	
AC Output Waveform	Pure Sine Wave	
Protection Grade	IP30	
	Cable	
Indoor DC Cable,		
DC Circuit Breaker to Solar Charge		
Controller,	Minimum 3 AWG Wire or RV 25mm ² Wire	
Solar Charge Controller to Battery,		
Battery to Power Inverter		
PV Mounting System		
Material	Aluminium or Galvanized Steel	
	General Features	
Working Condition	Ambient Temperature $$ - 10 $^\circ \mathrm{C}$ $$ ~ 50 $^\circ \mathrm{C}$, Humidity $$ \leq 95%	
Self-protection	Over-load protection, short-circuit protection, over-heat protection	

Model	HR4320
Solar Power	4320W
Possible Appliance	Light Bulb, Table Fan, TV, Refrigerator, Microwave Oven, Air Conditioner, etc.
Load Power	<5000W
	Solar Panel
Туре	Poly 270W
Quantity	16 pcs
Dimensions	1640 x 992 x 40mm
Maximum Power Voltage (Vmp)	31.26V
Maximum Power Current (Imp)	8.64A
	PV Cable and Connector
Outdoor PV Cable	4mm ²
2 to 1 PV Connector	2 pairs
MC4 Connector	2 pairs
	Solar Charge Controller
Model	SM48-50
Quantity	2 pcs
Charging Mode	MPPT
Max. Charging Current	50A
Max. PV Input Voltage	150V
Protection Grade	IP30
So	lar Battery (Lead Acid Gel Battery)
Туре	12V 200Ah
Quantity	8 pcs
Battery System Voltage	48V
	Inverter with AC Charger
Model	GX5000-48-230
Rated Power	5000W
Peak Power	10000W
DC Input Voltage	48VDC
AC Output Voltage Options (US or EU)	110VAC / 230VAC
AC Output Waveform	Pure Sine Wave
Protection Grade	IP30
	Cable
Indoor DC Cable,	
DC Circuit Breaker to Solar Charge	
Controller,	Minimum 3 AWG Wire or RV 25mm ² Wire
Solar Charge Controller to Battery,	
Battery to Power Inverter	
	PV Mounting System
Material	Aluminium or Galvanized Steel
	General Features
Working Condition	Ambient Temperature $$ - 10 $^\circ \mathrm{C}$ \sim 50 $^\circ \mathrm{C}$, Humidity \leq 95%
Self-protection	Over-load protection, short-circuit protection, over-heat protection

Model	HR5400
Solar Power	5400W
Possible Appliance	Light Bulb, Table Fan, TV, Refrigerator, Microwave Oven, Air Conditioner, etc.
Load Power	<6000W
	Solar Panel
Туре	Poly 300W
Quantity	18 pcs
Dimensions	1956 x 992 x 45mm
Maximum Power Voltage (Vmp)	36.72V
Maximum Power Current (Imp)	8.17A
	PV Cable and Connector
Outdoor PV Cable	4mm ²
3 to 1 PV Connector	2 pairs
MC4 Connector	2 pairs
	Solar Charge Controller
Model	SM48-60
Quantity	2 pcs
Charging Mode	MPPT
Max. Charging Current	60A
Max. PV Input Voltage	150V
Protection Grade	IP30
So	lar Battery (Lead Acid Gel Battery)
Туре	12V 250Ah
Quantity	8 pcs
Battery System Voltage	48V
	Inverter with AC Charger
Model	GX6000-48-230
Rated Power	6000W
Peak Power	12000W
DC Input Voltage	48VDC
AC Output Voltage Options (US or EU)	110VAC / 230VAC
AC Output Waveform	Pure Sine Wave
Protection Grade	IP30
	Cable
Indoor DC Cable,	
DC Circuit Breaker to Solar Charge	
Controller,	Minimum 3 AWG Wire or RV 25mm ² Wire
Solar Charge Controller to Battery,	
Battery to Power Inverter	
	PV Mounting System
Material	Aluminium or Galvanized Steel
	General Features
Working Condition	Ambient Temperature $$ - 10 $^\circ \mathrm{C}$ \sim 50 $^\circ \mathrm{C}$, Humidity \leq 95%
Self-protection	Over-load protection, short-circuit protection, over-heat protection



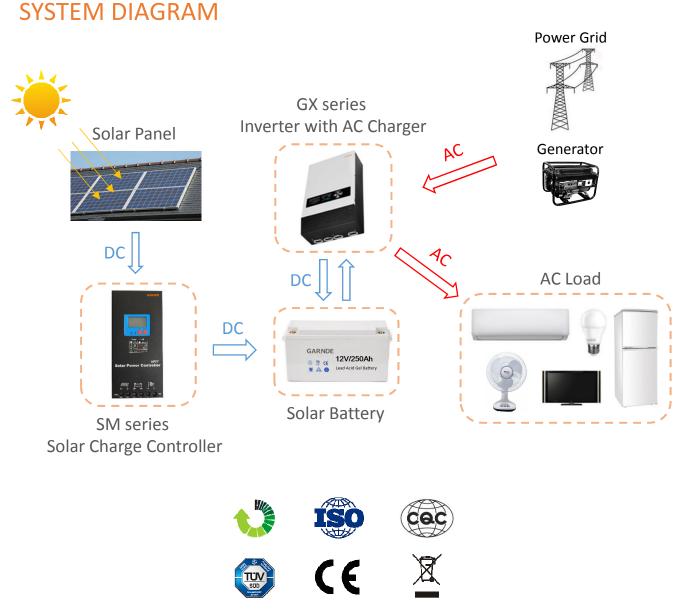






Customized Solar System

Customized solar system can be designed flexibly according to daily or monthly energy usage requirement. Local latitude / sunshine time per day and weather conditions will also need to be considered to design the solar panel and battery quantity.



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