

KUNGFU series



Solar Power	Drawing No. (System No.)	For Home of Daily Energy Usage
100W	P100	10-150Wh
270W	P270	150-350Wh
540W	P540	350-600Wh
810W	P810	600-1000Wh
1080W	P1080	1000-1400Wh
1620W	P1620	1400-1800Wh
2160W	P2160	1800-2600Wh
2700W	P2700	2600-3400Wh
3240W	P3240	3400-4000Wh
4320W	P4320	4000-5000Wh
5400W	P5400	5000-7000Wh

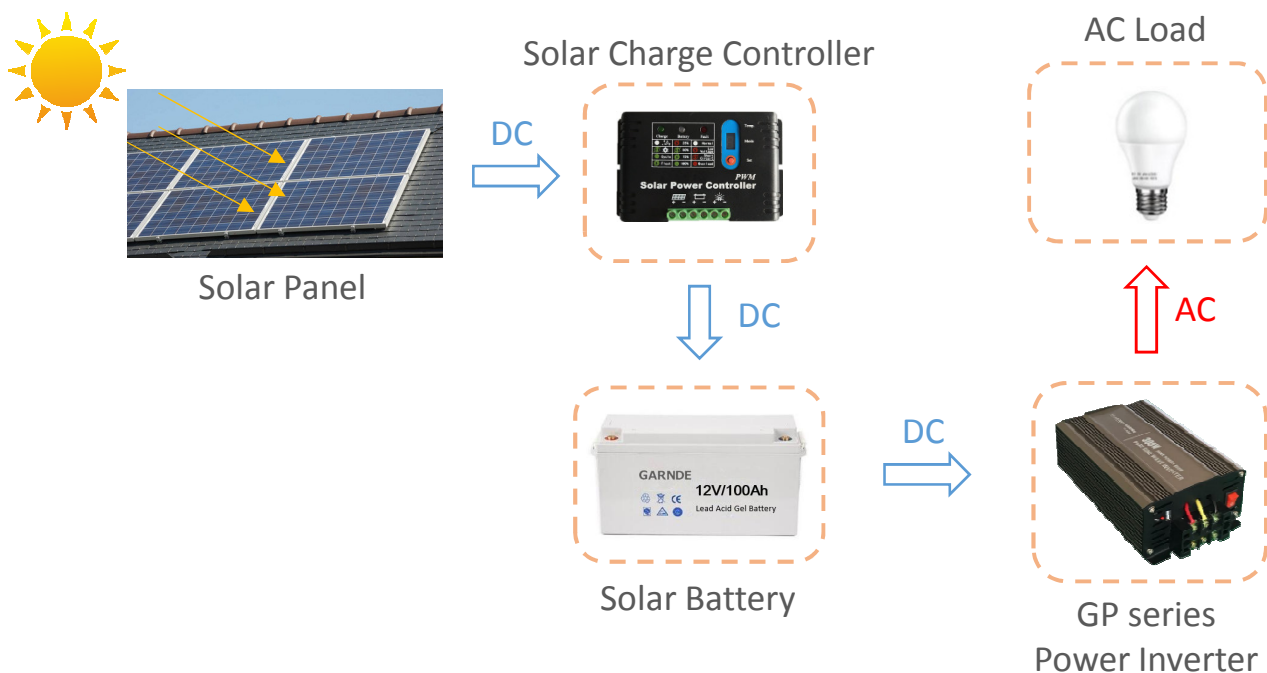
* Remark: the systems are designed for Minimum Two Days energy usage, even the second day is Rainy day/No sunshine.

KUNGFU series



100W 270W

SYSTEM DIAGRAM



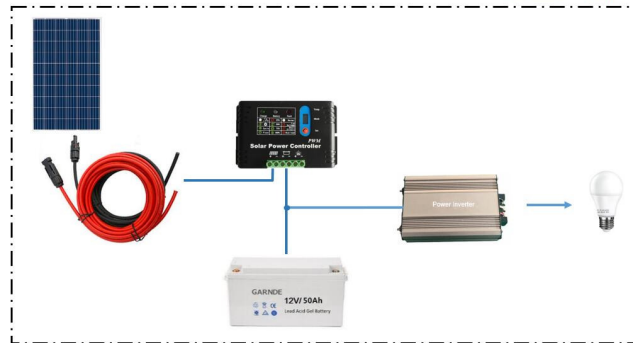
APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.
- * System 100W (P100) is applicable for home of daily energy usage 10-150Wh;
System 270W (P270) is applicable for home of daily energy usage 150-350Wh.



Model P100

100W  



Model P270

270W  



TECHNICAL SPECIFICATIONS

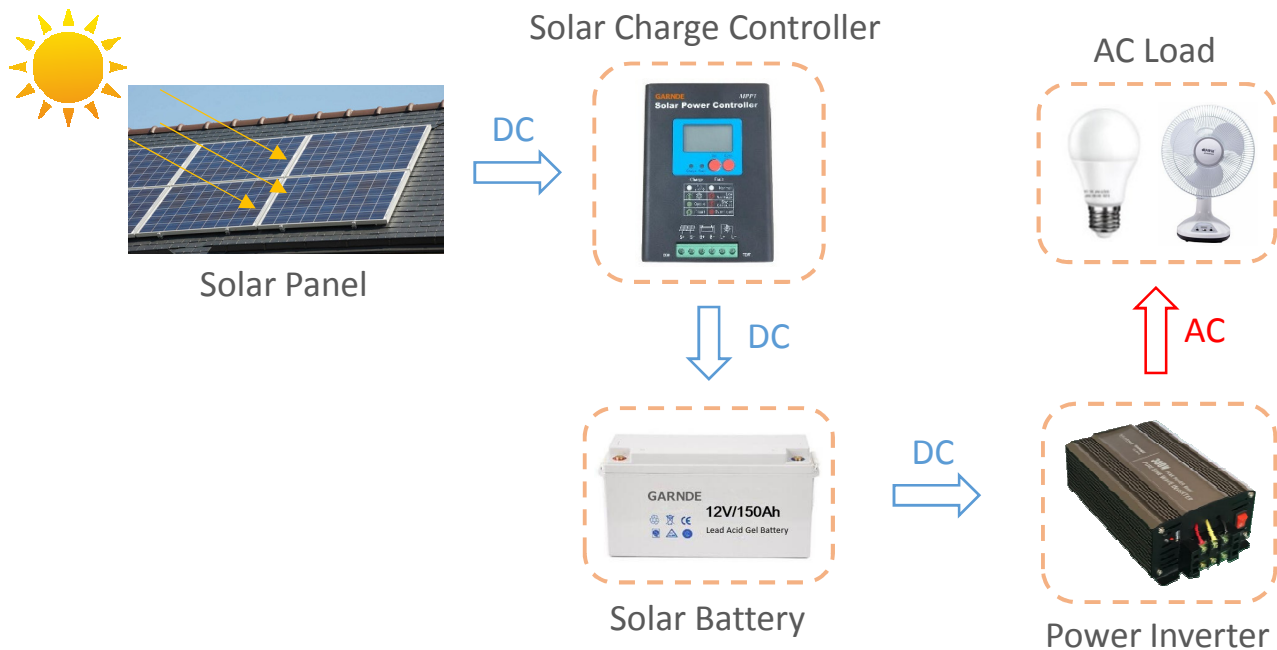
Model	P100	P270
Solar Power	100W	270W
Applicable for Home of Daily Energy Usage	10-150Wh	150-350Wh
Possible Appliance	Light Bulb	Light Bulb
Load Power	< 300W	< 300W
Solar Panel		
Type	Poly 100W	Poly 270W
Quantity	1 pc	1 pc
Dimensions	1100 x 668 x 35mm	1640 x 992 x 40mm
Maximum Power Voltage (Vmp)	18.38V	31.26V
Maximum Power Current (Imp)	5.45A	8.64A
PV Cable and Connector		
Outdoor PV Cable	4mm ²	4mm ²
MC4 Connector	1 pair	1 pair
Solar Charge Controller		
Model	SS24-15	SM24-30
Charging Mode	PWM	MPPT
Max. Charging Current	15A	30A
Max. PV Input Voltage	30V	100V
Protection Grade	IP30	
Solar Battery (Lead Acid Gel Battery)		
Type	12V 50Ah	12V 100Ah
Quantity	1 pc	1 pc
Battery System Voltage	12V	12V
Off-Grid Power Inverter		
Rated Power	300W	300W
Peak Power	600W	600W
DC Input Voltage	12VDC	12VDC
AC Output Voltage Options (US or EU)	110VAC / 230VAC	110VAC / 230VAC
AC Output Waveform	Pure Sine Wave	
Protection Grade	IP30	
Cable		
Indoor DC Cable, DC Circuit Breaker to Solar Charge Controller, Solar Charge Controller to Battery, Battery to Power Inverter	Minimum 11 AWG Wire or RV 4mm ² Wire	Minimum 9 AWG Wire or RV 6mm ² Wire
PV Mounting System		
Material	Aluminium or Galvanized Steel	
General Features		
Working Condition	Ambient Temperature - 10℃ ~ 50℃, Humidity ≤ 95%	
Self-protection	Over-load protection, short-circuit protection, over-heat protection	

KUNGFU series



540W 810W

SYSTEM DIAGRAM



APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.
- * System 540W (P540) is applicable for home of daily energy usage 350-600Wh;
System 810W (P810) is applicable for home of daily energy usage 600-1000Wh.



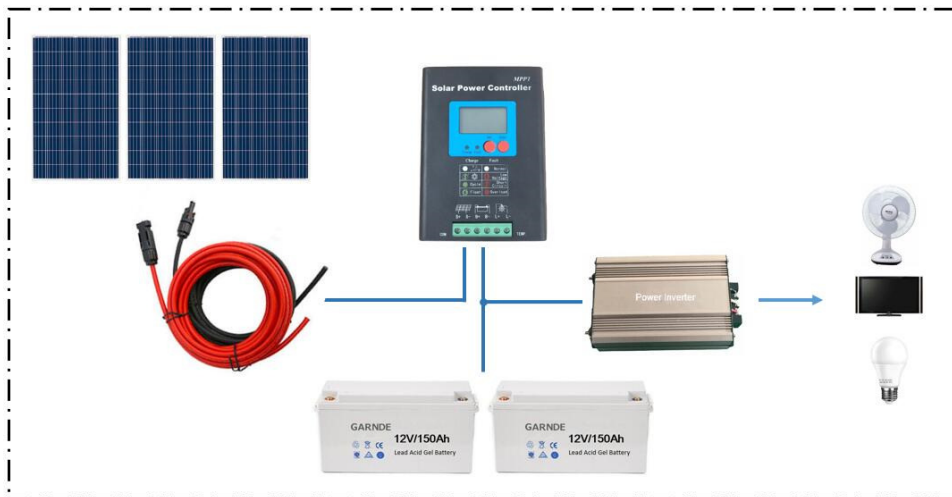
Model P540

540W



Model P810

810W



TECHNICAL SPECIFICATIONS

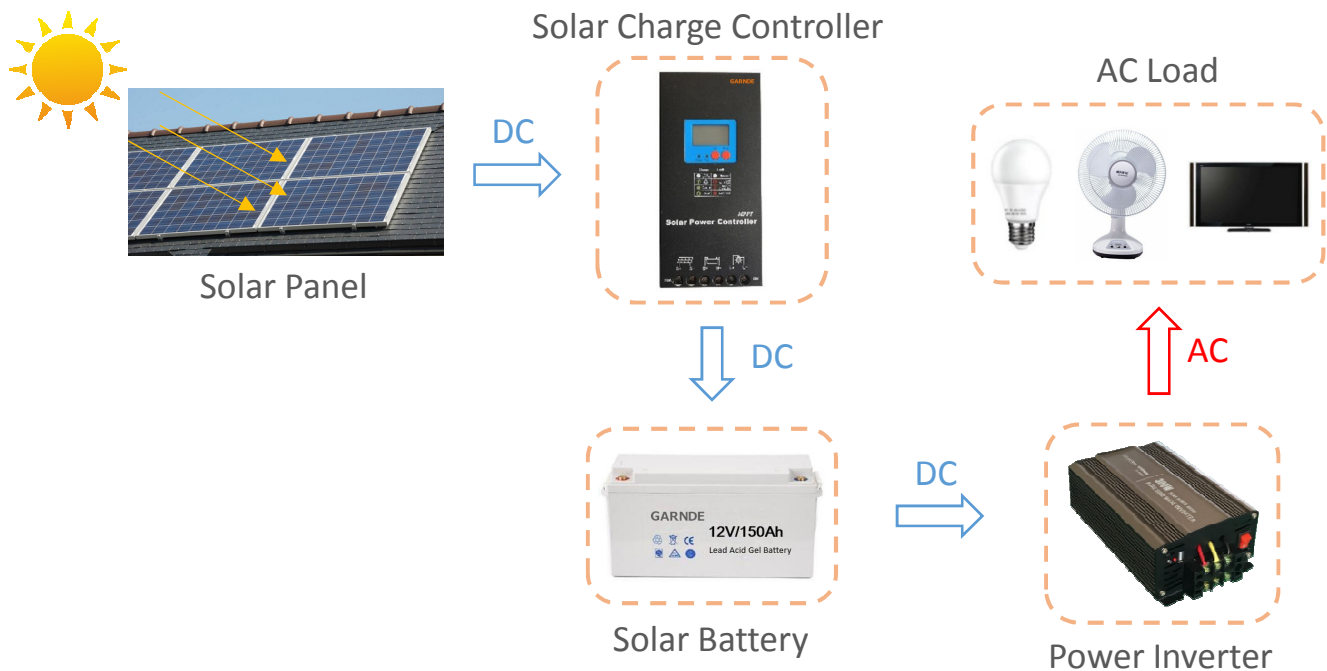
Model	P540	P810
Solar Power	540W	810W
Applicable for Home of Daily Energy Usage	350-600Wh	600-1000Wh
Possible Appliance	Light Bulb, Table Fan	Light Bulb, Table Fan, TV
Load Power	< 600W	< 1000W
Solar Panel		
Type	Poly 270W	Poly 270W
Quantity	2 pcs	3 pcs
Dimensions	1640 x 992 x 40mm	1640 x 992 x 40mm
Maximum Power Voltage (Vmp)	31.26V	31.26V
Maximum Power Current (Imp)	8.64A	8.64A
PV Cable and Connector		
Outdoor PV Cable	4mm²	4mm²
MC4 Connector	1 pair	1 pair
Solar Charge Controller		
Model	SM24-30	SM24-40
Charging Mode	MPPT	MPPT
Max. Charging Current	30A	40A
Max. PV Input Voltage	100V	100V
Protection Grade	IP30	
Solar Battery (Lead Acid Gel Battery)		
Type	12V 100Ah	12V 150Ah
Quantity	2 pcs	2 pcs
Battery System Voltage	24V	24V
Off-Grid Power Inverter		
Rated Power	600W	1000W
Peak Power	1200W	2000W
DC Input Voltage	24VDC	24VDC
AC Output Voltage Options (US or EU)	110VAC / 230VAC	110VAC / 230VAC
AC Output Waveform	Pure Sine Wave	
Protection Grade	IP30	
Cable		
Indoor DC Cable, DC Circuit Breaker to Solar Charge Controller, Solar Charge Controller to Battery, Battery to Power Inverter	Minimum 9 AWG Wire or RV 6mm² Wire	Minimum 7 AWG Wire or RV 10mm² Wire
PV Mounting System		
Material	Aluminium or Galvanized Steel	
General Features		
Working Condition	Ambient Temperature - 10℃ ~ 50℃, Humidity ≤ 95%	
Self-protection	Over-load protection, short-circuit protection, over-heat protection	

KUNGFU series



1080W 1620W

SYSTEM DIAGRAM



APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running
- * System 1080W (P1080) is applicable for home of daily energy usage 1000-1400Wh;
System 1620W (P1620) is applicable for home of daily energy usage 1400-1800Wh.



Model P1080

1080W  



Model P1620

1620W  



TECHNICAL SPECIFICATIONS

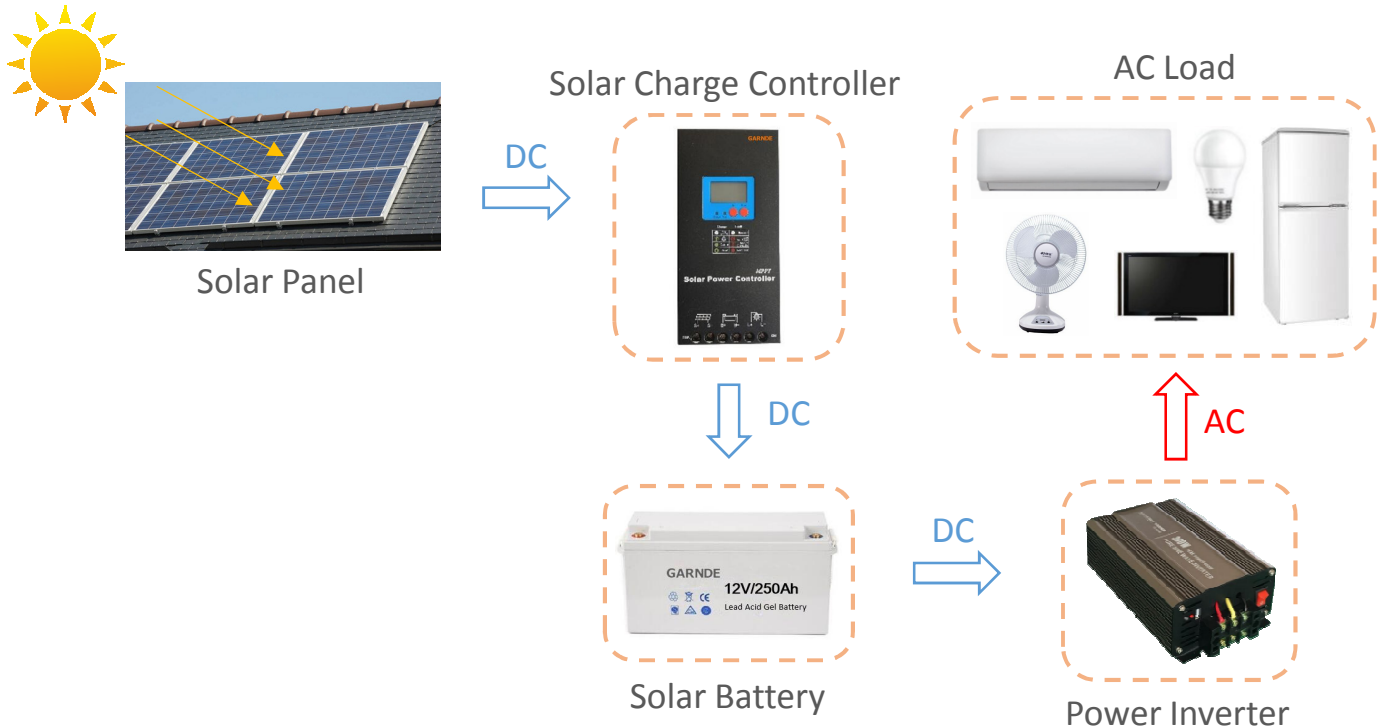
Model	P1080	P1620
Solar Power	1080W	1620W
Applicable for Home of Daily Energy Usage	1000-1400Wh	1400-1800Wh
Possible Appliance	Light Bulb, Table Fan, TV	Light Bulb, Table Fan, TV, Refrigerator
Load Power	< 1500W	< 2000W
Solar Panel		
Type	Poly 270W	Poly 270W
Quantity	4 pcs	6 pcs
Dimensions	1640 x 992 x 40mm	1640 x 992 x 40mm
Maximum Power Voltage (Vmp)	31.26V	31.26V
Maximum Power Current (Imp)	8.64A	8.64A
PV Cable and Connector		
Outdoor PV Cable	4mm²	4mm²
2 to 1 PV Connector	/	1 pair
MC4 Connector	1 pair	1 pair
Solar Charge Controller		
Model	SM48-40	SM48-40
Charging Mode	MPPT	MPPT
Max. Charging Current	40A	40A
Max. PV Input Voltage	150V	150V
Protection Grade	IP30	
Solar Battery (Lead Acid Gel Battery)		
Type	12V 100Ah	12V 150Ah
Quantity	4 pcs	4 pcs
Battery System Voltage	48V	48V
Off-Grid Power Inverter		
Rated Power	1500W	2000W
Peak Power	3000W	4000W
DC Input Voltage	48VDC	48VDC
AC Output Voltage Options (US or EU)	110VAC / 230VAC	110VAC / 230VAC
AC Output Waveform	Pure Sine Wave	
Protection Grade	IP30	
Cable		
Indoor DC Cable, DC Circuit Breaker to Solar Charge Controller, Solar Charge Controller to Battery, Battery to Power Inverter	Minimum 7 AWG Wire or RV 10mm² Wire	Minimum 7 AWG Wire or RV 10mm² Wire
PV Mounting System		
Material	Aluminium or Galvanized Steel	
General Features		
Working Condition	Ambient Temperature - 10℃ ~ 50℃, Humidity ≤ 95%	
Self-protection	Over-load protection, short-circuit protection, over-heat protection	

KUNGFU series



2160W 2700W

SYSTEM DIAGRAM



APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.
- * System 2160W (P2160) is applicable for home of daily energy usage 1800-2600Wh;
System 2700W (P2700) is applicable for home of daily energy usage 2600-3400Wh.



Model P2160



Model P2700



TECHNICAL SPECIFICATIONS

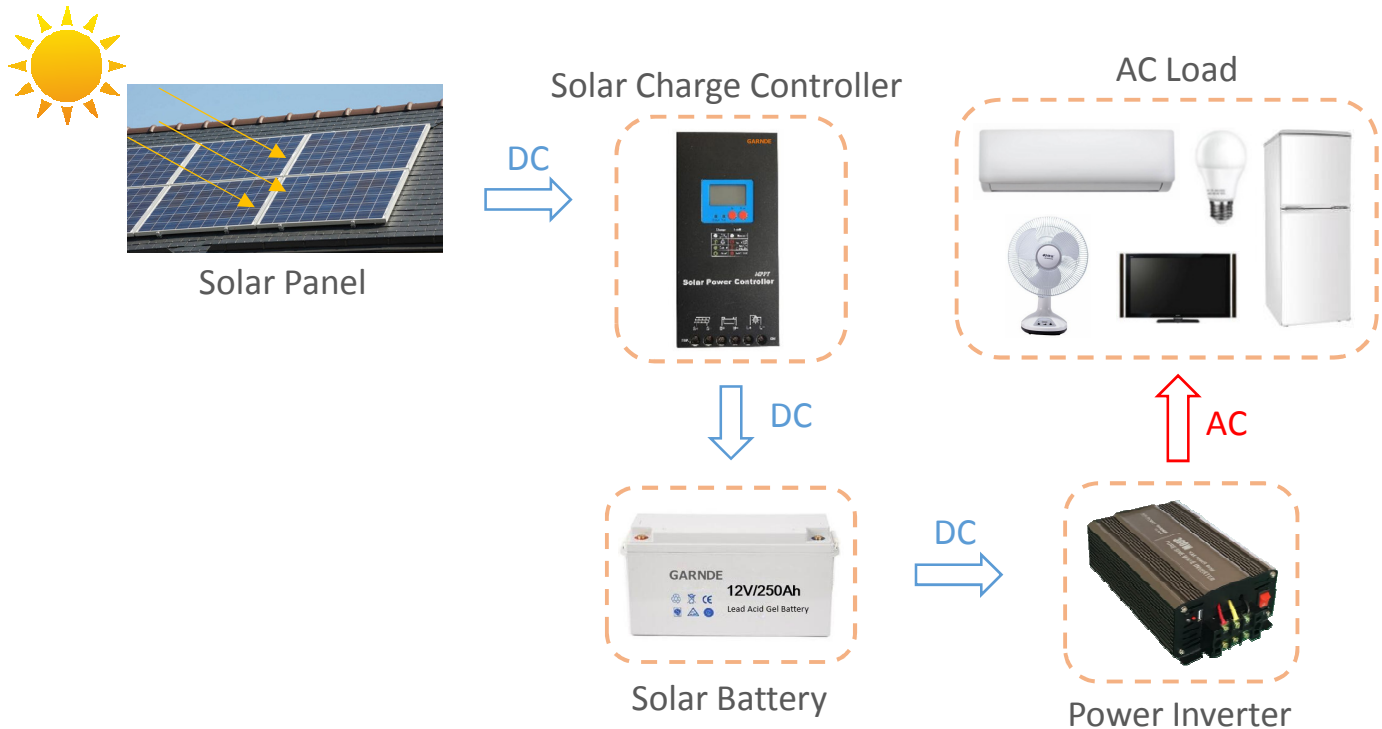
Model	P2160	P2700
Solar Power	2160W	2700W
Applicable for Home of Daily Energy Usage	1800-2600Wh	2600-3400Wh
Possible Appliance	Light Bulb, Table Fan, TV, Refrigerator Laptop Computer, Microwave Oven	Light Bulb, Table Fan, TV, Refrigerator 9000BTU Air Conditioner
Load Power	< 3000W	< 3000W
Solar Panel		
Type	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
Charging Mode	MPPT	MPPT
Max. Charging Current	50A	60A
Max. PV Input Voltage	150V	150V
Protection Grade	IP30	
Solar Battery (Lead Acid Gel Battery)		
Type	12V 200Ah	12V 250Ah
Quantity	4 pcs	4 pcs
Battery System Voltage	48V	48V
Off-Grid Power Inverter		
Rated Power	3000W	3000W
Peak Power	6000W	6000W
DC Input Voltage	48VDC	48VDC
AC Output Voltage Options (US or EU)	110VAC / 230VAC	110VAC / 230VAC
AC Output Waveform	Pure Sine Wave	
Protection Grade	IP30	
Cable		
Indoor DC Cable, DC Circuit Breaker to Solar Charge Controller, Solar Charge Controller to Battery, Battery to Power Inverter	Minimum 5 AWG Wire or RV 16mm ² Wire	Minimum 3 AWG Wire or RV 25mm ² Wire
PV Mounting System		
Material	Aluminium or Galvanized Steel	
General Features		
Working Condition	Ambient Temperature - 10℃ ~ 50℃, Humidity ≤ 95%	
Self-protection	Over-load protection, short-circuit protection, over-heat protection	

KUNGFU series



3240W

SYSTEM DIAGRAM



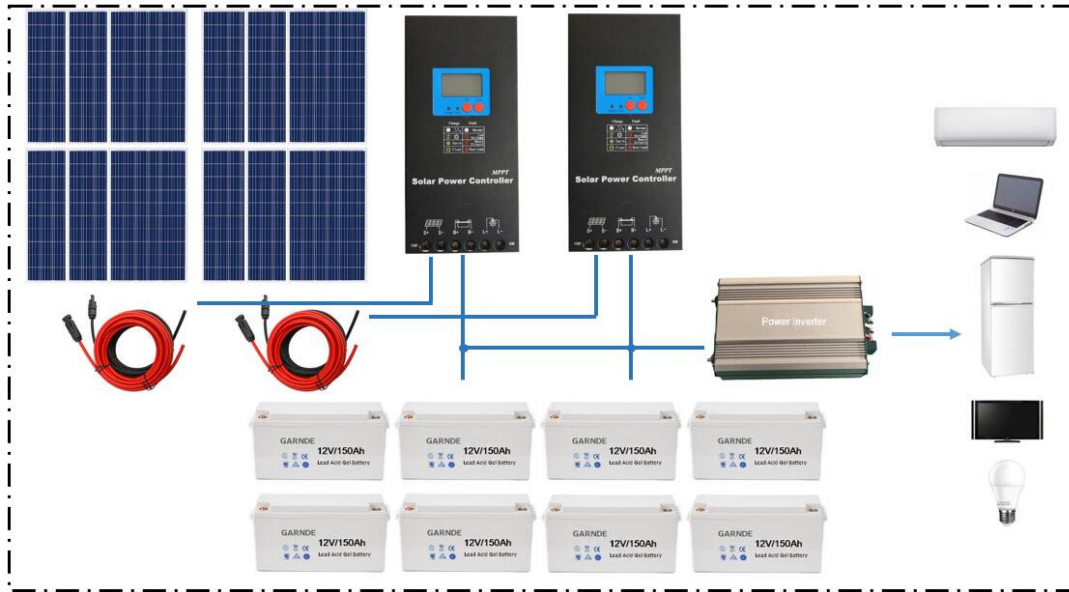
APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.
- * System 3240W (P3240) is applicable for home of daily energy usage 3400-4000Wh.



Model P3240

3240W



TECHNICAL SPECIFICATIONS

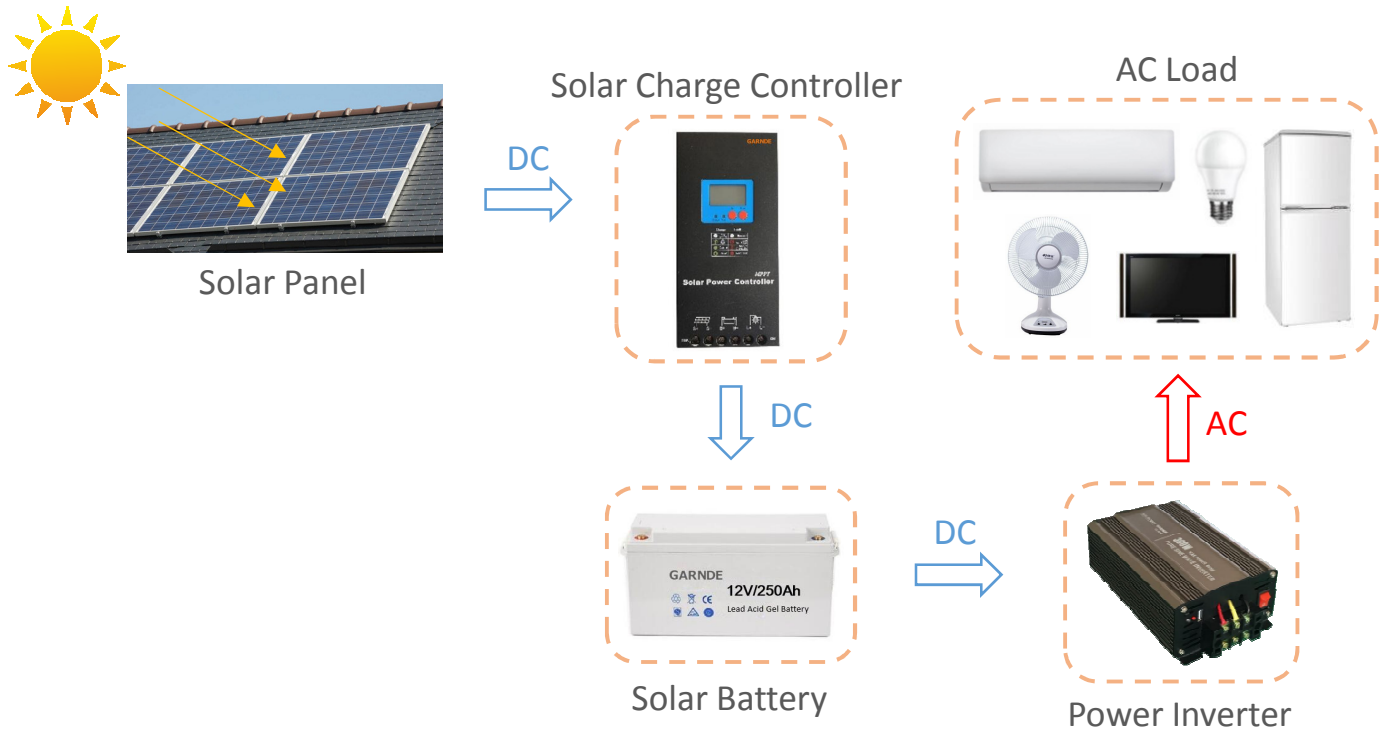
Model	P3240
Solar Power	3240W
Applicable for Home of Daily Energy Usage	3400-4000Wh
Possible Appliance	Light Bulb, Table Fan, TV, Refrigerator, Microwave Oven, 9000BTU Air Conditioner
Load Power	< 4000W
Solar Panel	
Type	Poly 270W
Quantity	12 pcs
Dimensions	1640 x 992 x 40mm
Maximum Power Voltage (Vmp)	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
Solar Battery (Lead Acid Gel Battery)	
Type	12V 150Ah
Quantity	8 pcs
Battery System Voltage	48V
Off-Grid Power Inverter	
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, Solar Charge Controller to Battery, Battery to Power Inverter	Minimum 3 AWG Wire or RV 25mm ² Wire
PV Mounting System	
Material	Aluminium or Galvanized Steel
General Features	
Working Condition	Ambient Temperature - 10℃ ~ 50℃, Humidity ≤ 95%
Self-protection	Over-load protection, short-circuit protection, over-heat protection

KUNGFU series



4320W

SYSTEM DIAGRAM



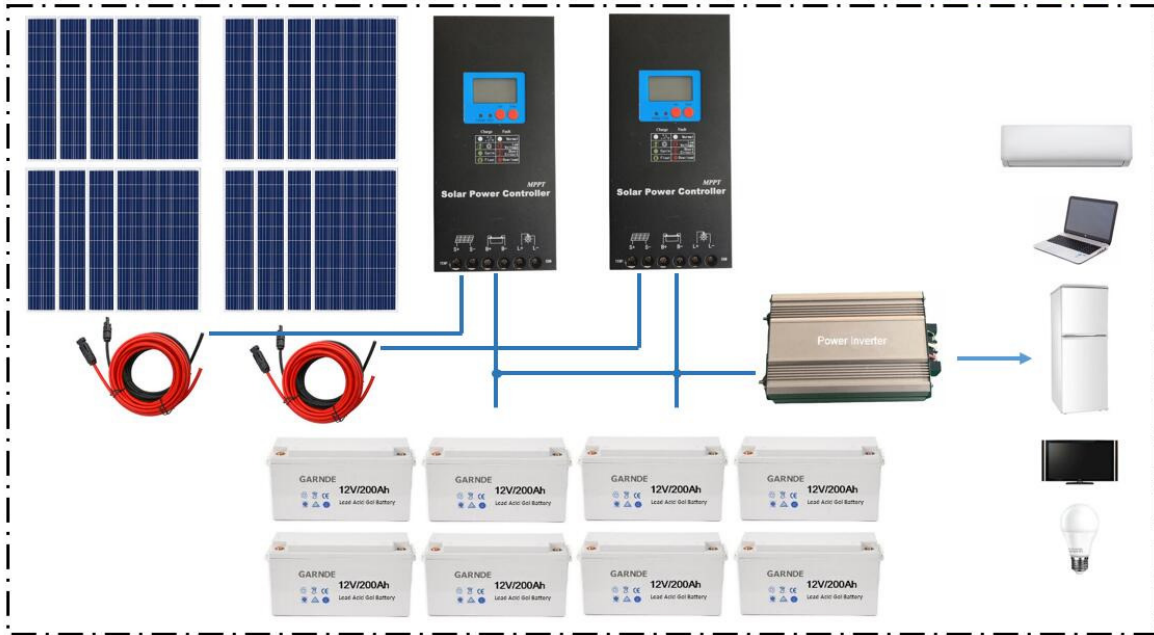
APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.
- * System 4320W (P4320) is applicable for home of daily energy usage 4000-5000Wh.



Model P4320

4320W



TECHNICAL SPECIFICATIONS

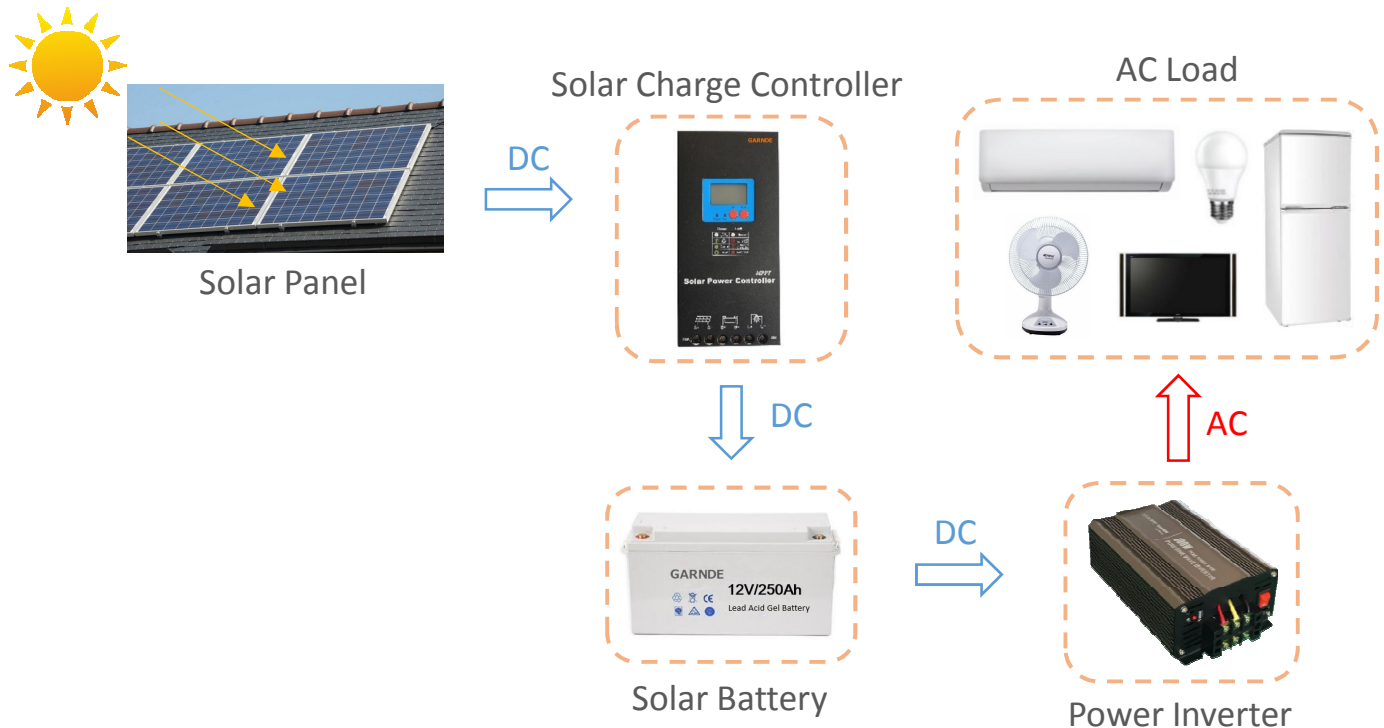
Model	P4320
Solar Power	4320W
Applicable for Home of Daily Energy Usage	4000-5000Wh
Possible Appliance	Light Bulb, Table Fan, TV, Refrigerator, Microwave Oven, 9000BTU Air Conditioner
Load Power	< 5000W
Solar Panel	
Type	Poly 270W
Quantity	16 pcs
Dimensions	1640 x 992 x 40mm
Maximum Power Voltage (Vmp)	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
Solar Battery (Lead Acid Gel Battery)	
Type	12V 200Ah
Quantity	8 pcs
Battery System Voltage	48V
Off-Grid Power Inverter	
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, Solar Charge Controller to Battery, Battery to Power Inverter	Minimum 3 AWG Wire or RV 25mm ² Wire
PV Mounting System	
Material	Aluminium or Galvanized Steel
General Features	
Working Condition	Ambient Temperature - 10℃ ~ 50℃, Humidity ≤ 95%
Self-protection	Over-load protection, short-circuit protection, over-heat protection

KUNGFU series



5400W

SYSTEM DIAGRAM



APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.
- * System 5400W (P5400) is applicable for home of daily energy usage 5000-7000Wh.



Model P5400

5400W



TECHNICAL SPECIFICATIONS

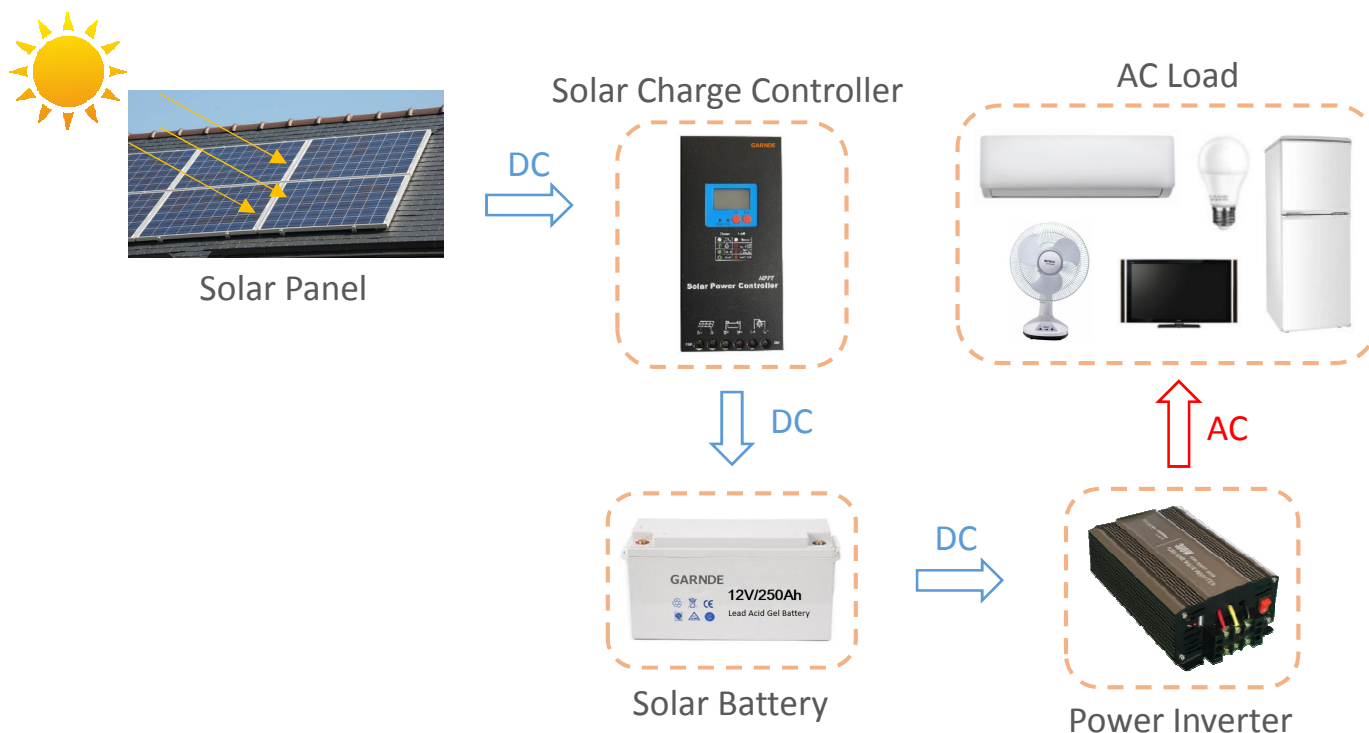
Model	P5400
Solar Power	5400W
Applicable for Home of Daily Energy Usage	5000-7000Wh
Possible Appliance	Light Bulb, Table Fan, TV, Refrigerator, Microwave Oven, 9000BTU Air Conditioner
Load Power	< 6000W
Solar Panel	
Type	Poly 300W
Quantity	18 pcs
Dimensions	1956 x 992 x 45mm
Maximum Power Voltage (Vmp)	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
Solar Battery (Lead Acid Gel Battery)	
Type	12V 250Ah
Quantity	8 pcs
Battery System Voltage	48V
Off-Grid Power Inverter	
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, Solar Charge Controller to Battery, Battery to Power Inverter	Minimum 3 AWG Wire or RV 25mm ² Wire
PV Mounting System	
Material	Aluminium or Galvanized Steel
General Features	
Working Condition	Ambient Temperature - 10℃ ~ 50℃, Humidity ≤ 95%
Self-protection	Over-load protection, short-circuit protection, over-heat protection

Customized Off-Grid Solar System



Customized solar system will be designed basing on the daily or monthly energy usage information provided. Local daily sunshine duration and weather conditions will need to be considered in the system design. Several same systems in parallel connection to achieve larger power output.

SYSTEM DIAGRAM



APPLICATIONS & FEATURES

- * Applicable for areas where have no power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.

