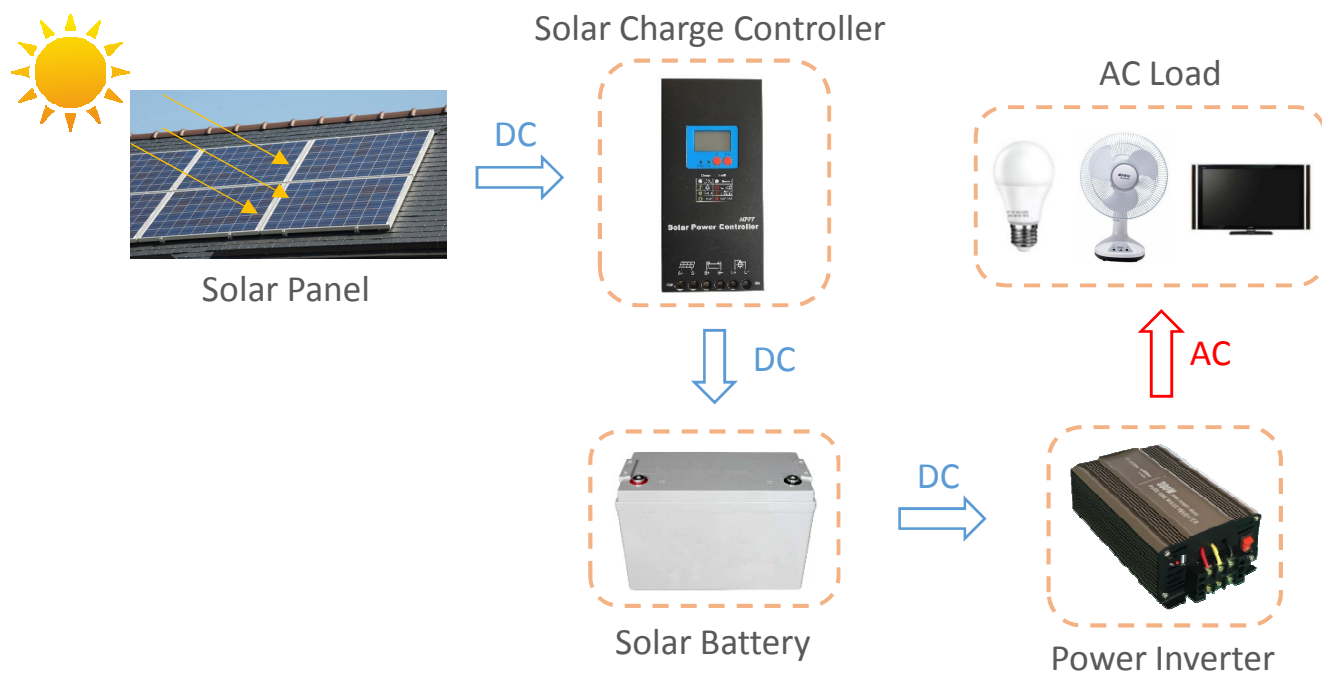


## OFF-GRID SYSTEM DIAGRAM



## APPLICATIONS & FEATURES

- \* Applicable for areas where have no or poor 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 1200W (P1200) is applicable for home of daily energy usage 1300-1500Wh.



# TECHNICAL SPECIFICATIONS

Model	P1080	P1200
Solar Power	1080W	1200W
Applicable for Home of Daily Energy Usage	1000-1400Wh	1300-1500Wh
Possible Appliance	Light Bulb, Table Fan, TV	Light Bulb, Table Fan, TV
Load Power	< 1500W	< 2000W
<b>Solar Panel</b>		
Type	Poly 270W	Poly 200W
Quantity	4 pcs	6 pcs
Dimensions	1640 x 992 x 40mm	1330 x 990 x 35mm
Maximum Power Voltage (Vmp)	31.26V	24.81V
Maximum Power Current (Imp)	8.64A	8.09A
<b>PV Cable and Connector</b>		
Outdoor PV Cable	4mm <sup>2</sup>	6mm <sup>2</sup>
2 to 1 PV Connector	/	1 pair
MC4 Connector	1 pair	1 pair
<b>DC Circuit Breaker</b>		
Model	CZB1-63/2P/C10/DC240	CZB1-63/2P/C20/DC240
<b>Solar Charge Controller</b>		
Model	SM48-40	SM48-40
Charging Mode	MPPT	MPPT
Max. Charging Current	40A	40A
Max. PV Input Voltage	150V	150V
Protection Grade	IP30	
<b>Solar Battery (Lead Acid Gel Battery)</b>		
Type	12V 100Ah	12V 100Ah
Quantity	4 pcs	4 pcs
Battery System Voltage	48V	48V
<b>Off-Grid Power Inverter</b>		
Rated Power	1500W	2000W
Peak Power	3000W	4000W
DC Input Voltage	48VDC	48VDC
AC Output Voltage Options	110VAC / 230VAC	110VAC / 230VAC
AC Output Waveform	Pure Sine Wave	
Protection Grade	IP30	
<b>Cable</b>		
Indoor DC Cable, DC Circuit Breaker to Solar Charge Controller, Solar Charge Controller to Battery, Battery to Power Inverter	6 AWG Wire or RV 10mm <sup>2</sup> Wire	6 AWG Wire or RV 10mm <sup>2</sup> Wire
<b>PV Mounting System</b>		
Material	Aluminium or Galvanized Steel	
<b>General Features</b>		
Working Condition	Ambient Temperature - 10°C ~ 50°C, Humidity ≤ 95%	
Self-protection	Over-load protection, short-circuit protection, over-heat protection	