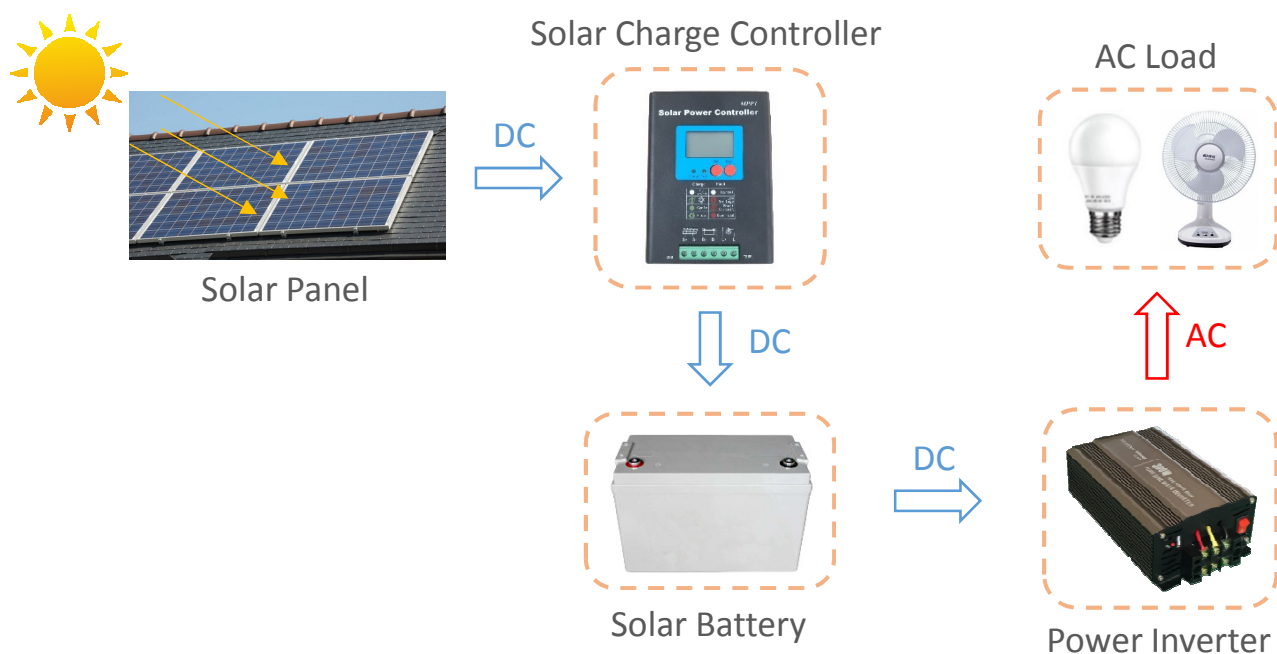


## OFF-GRID SYSTEM DIAGRAM



## APPLICATIONS & FEATURES

- \* Applicable for areas where have no or poor power grid.
- \* Easy for installation and maintenance.
- \* Reliable for long-time running.
- \* System 540W (P540) is applicable for home of daily energy usage 300-600Wh; System 810W (P810) is applicable for home of daily energy usage 600-1000Wh.



# TECHNICAL SPECIFICATIONS

Model	P540	P810
Solar Power	540W	810W
Applicable for Home of Daily Energy Usage	300-600Wh	600-1000Wh
Possible Appliance	Light Bulb, Table Fan	Light Bulb, Table Fan, TV
Load Power	< 600W	< 1000W
<b>Solar Panel</b>		
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
<b>PV Cable and Connector</b>		
Outdoor PV Cable	4mm <sup>2</sup>	4mm <sup>2</sup>
MC4 Connector	1 pair	1 pair
<b>DC Circuit Breaker</b>		
Model	CZB1-63/2P/C10/DC240	CZB1-63/2P/C10/DC240
<b>Solar Charge Controller</b>		
Model	SM24-30	SM24-40
Charging Mode	MPPT	MPPT
Max. Charging Current	30A	40A
Max. PV Input Voltage	100V	100V
Protection Grade	IP30	
<b>Solar Battery (Lead Acid Gel Battery)</b>		
Type	12V 100Ah	12V 150Ah
Quantity	2 pcs	2 pcs
Battery System Voltage	24V	24V
<b>Off-Grid Power Inverter</b>		
Rated Power	600W	1000W
Peak Power	1200W	2000W
DC Input Voltage	24VDC	24VDC
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	8 AWG Wire or RV 6mm <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	