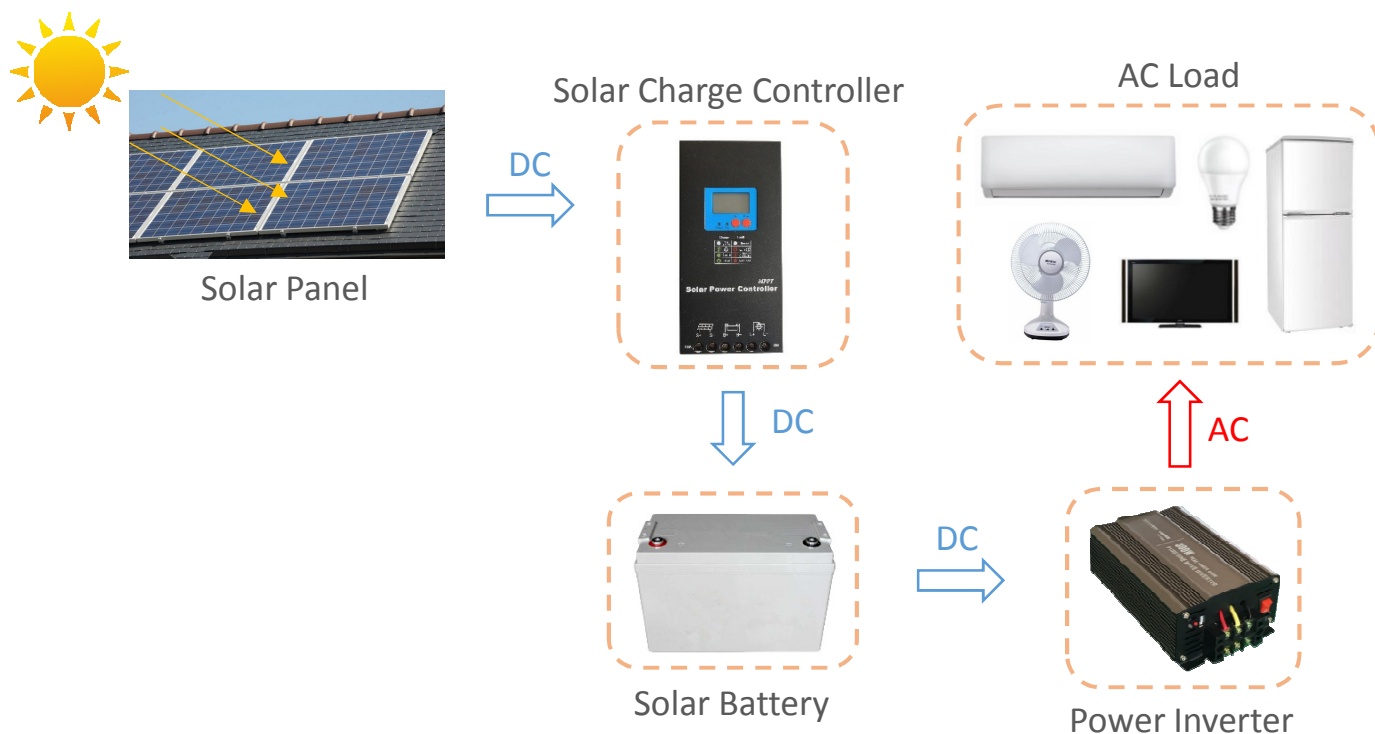


## OFF-GRID SYSTEM DIAGRAM



## APPLICATIONS & FEATURES

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



# 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 270W
Quantity	20 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	6mm <sup>2</sup>
2 to 1 PV Connector	2 pairs
MC4 Connector	2 pairs
DC Circuit Breaker	
Model	CZB1-63/2P/C20/DC240
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	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	4 AWG Wire or RV 25mm <sup>2</sup> Wire
PV Mounting System	
Material	Aluminium or Galvanized Steel
General Features	
Working Condition	Ambient Temperature - 10°C ~ 50°C, Humidity ≤ 95%
Self-protection	Over-load protection, short-circuit protection, over-heat protection