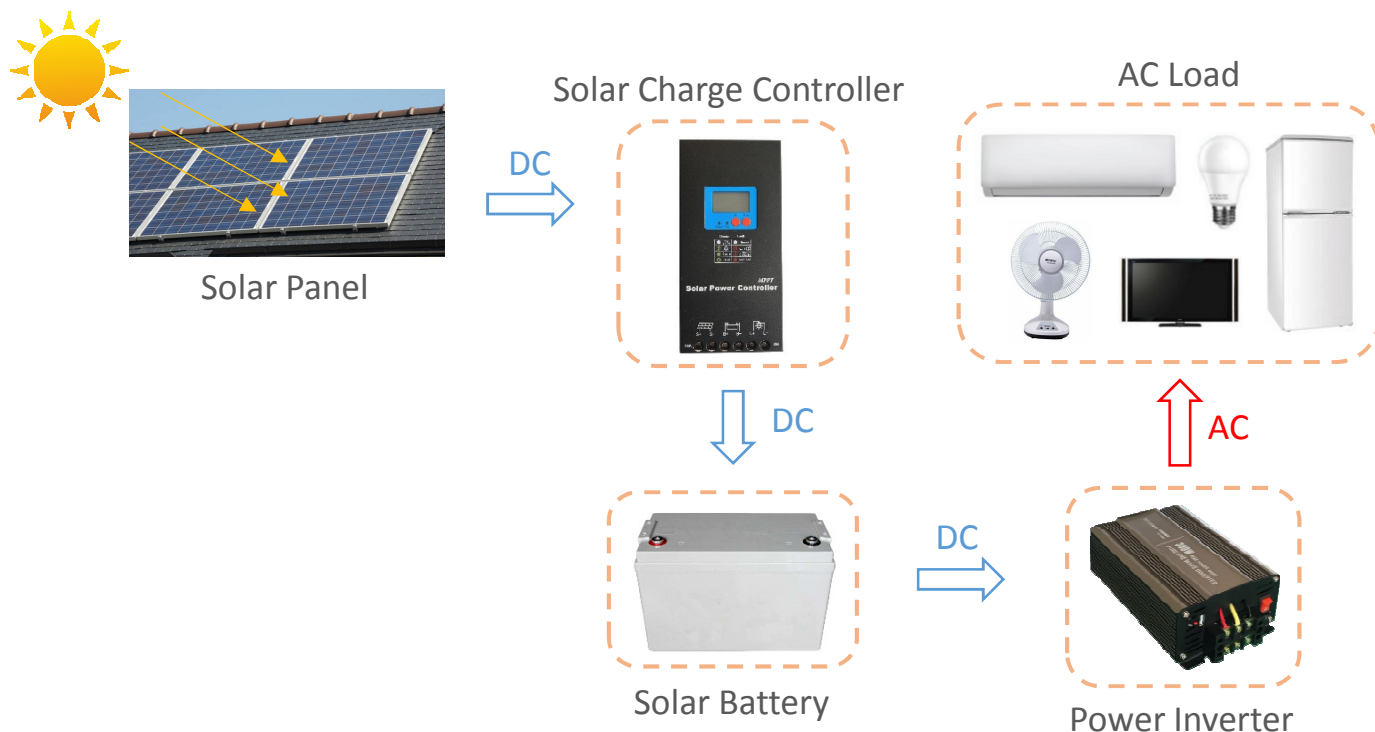


OFF-GRID SYSTEM DIAGRAM



APPLICATIONS & FEATURES

- * Applicable for areas where have no or poor power grid.
- * Easy for installation and maintenance.
- * Reliable for long-time running.
- * System 2160W (P2160) is applicable for home of daily energy usage 2200-2800Wh;
System 2700W (P2700) is applicable for home of daily energy usage 2800-3400Wh.



TECHNICAL SPECIFICATIONS

Model	P2160	P2700
Solar Power	2160W	2700W
Applicable for Home of Daily Energy Usage	2200-2800Wh	2800-3400Wh
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 270W
Quantity	8 pcs	10 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	6mm²	6mm²
2 to 1 PV Connector	1 pair	1 pair
MC4 Connector	1 pair	1 pair
DC Circuit Breaker		
Model	CZB1-63/2P/C20/DC240	CZB1-63/2P/C20/DC240
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	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	5 AWG Wire or RV 16mm² Wire	4 AWG Wire or RV 25mm² 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	