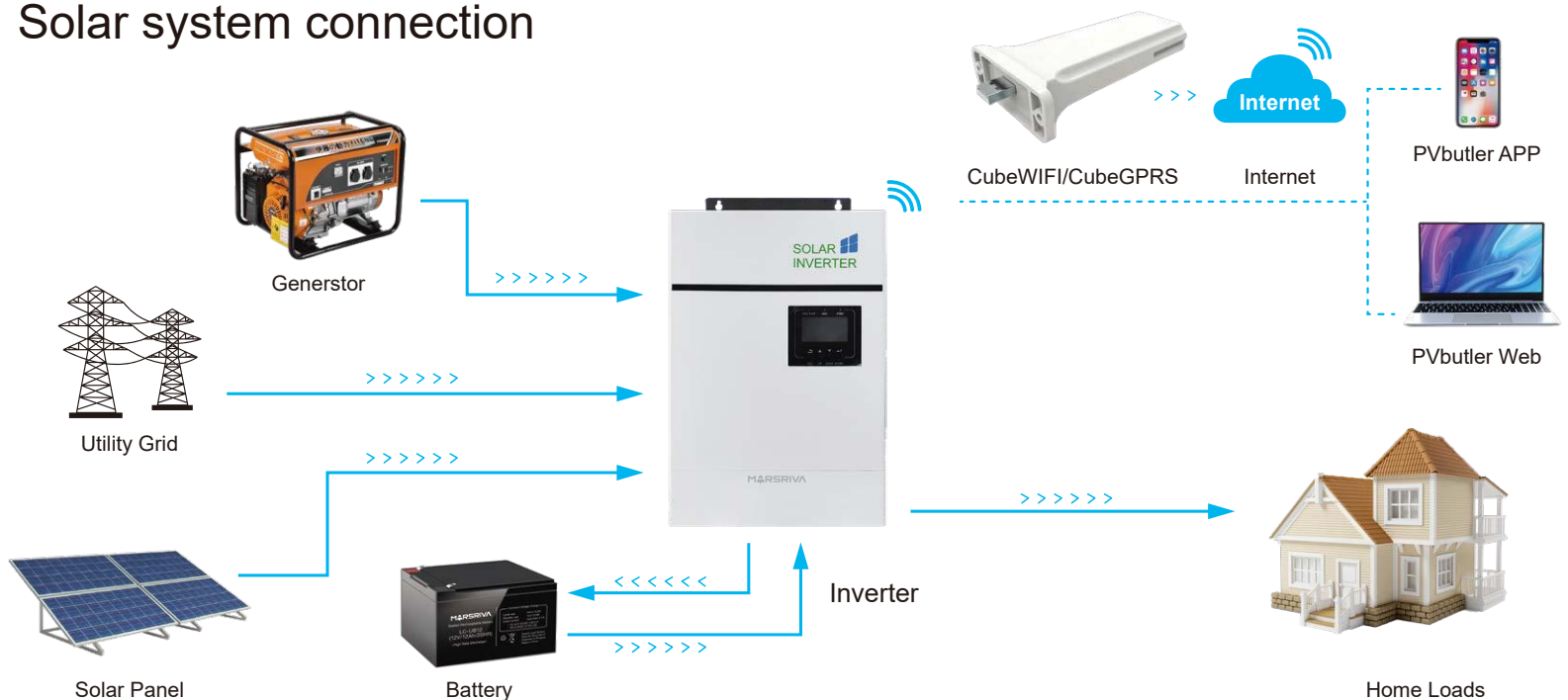


Off Grid Solar Inverter

- Integrated MPPT charge controller
- Equalization charging function
- Compatible to generator
- PV and Grid power the load jointly if PV energy insufficient
- Flexibly schedule the inverter charging and discharging time
- Reserved communication port for BMS (CANS/RS485)
- Support Parallel operation for capacity expansion up to 6units (Total 30KW Max.)
- User-friendly LCD operation
- Work with battery or without battery
- Maximum PV input voltage up to 450VDC
- Configurable grid or solar input priority
- Optional WIFI / GPRS remote monitoring



Solar system connection



Specification

MODEL	MR-SPF3500PM	MR-SPF5000PM
Nominal Battery System Voltage	48VDC	48VDC
INVERTER OUTPUT		
Rated Power	3500VA \ 3500W	5000VA \ 5000W
Parallel Capaility	6Units	6Units
Surge Power	7000W	10000W
Waveform	Pure sine wave	
AC Voltage Regulation (Batt.Mode)	230VA \pm 5%	
Inverter Efficiency(Peak)	93%	
Transfer Time	10ms(For Personal Computers) \ 20ms(For Home Appliances)	
AC INPUT		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC (For Personal Computers) ; 90~280VAC (For Home Appliances)	
Frequency Range	50Hz \ 60Hz (Auto sensing)	
BATTERY		
Normal voltage	48VDC	48VDC
Floating Charge Voltage	54.8VDC	54.8VDC
Overcharge Protection	60VDC	60VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Open Circuit Voltage	450VDC	450VDC
Maximum PV Current	22A	22A
PV Array MPPT Voltage Range	120~430VDC	120~430VDC
Maximum PV Array Power	4500W	6000W
Maximum Solar Charge Current	80A	80A
Maximum Efficiency	98%	98%
Maximum AC Charge Current	60A	60A
Maximum Charge Current	80A	100A
PHYSICAL		
Machine Dimensions (W*H*D)(mm)	470*320*135	470*320*135
Net Weight(kg)	11.5	12
Communication Interface	USB / RS485 / CAN	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relativ Humidity (Non-condensing)	
Operating Temperature	0°C~55°C	
Storage Temperature	-15°C~60°C	

Specifications are subject to change without notice, all product drawing is used for reference only.