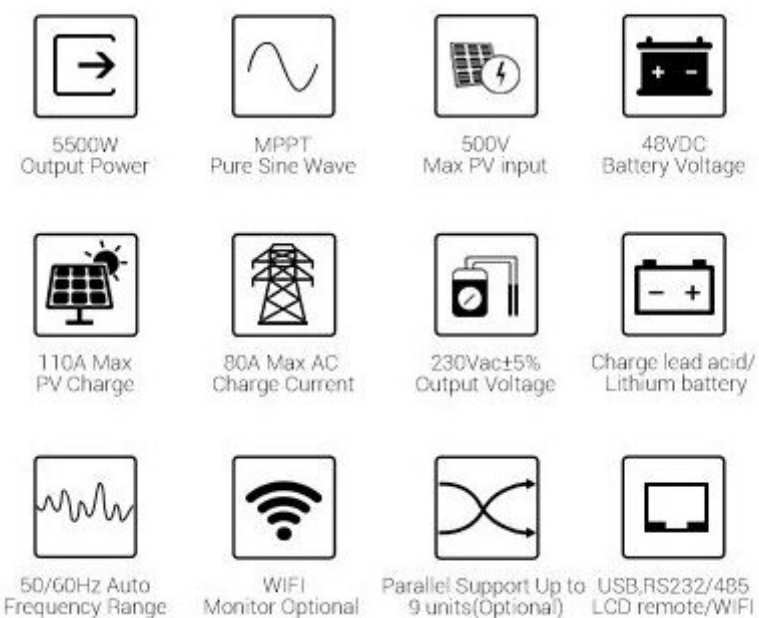
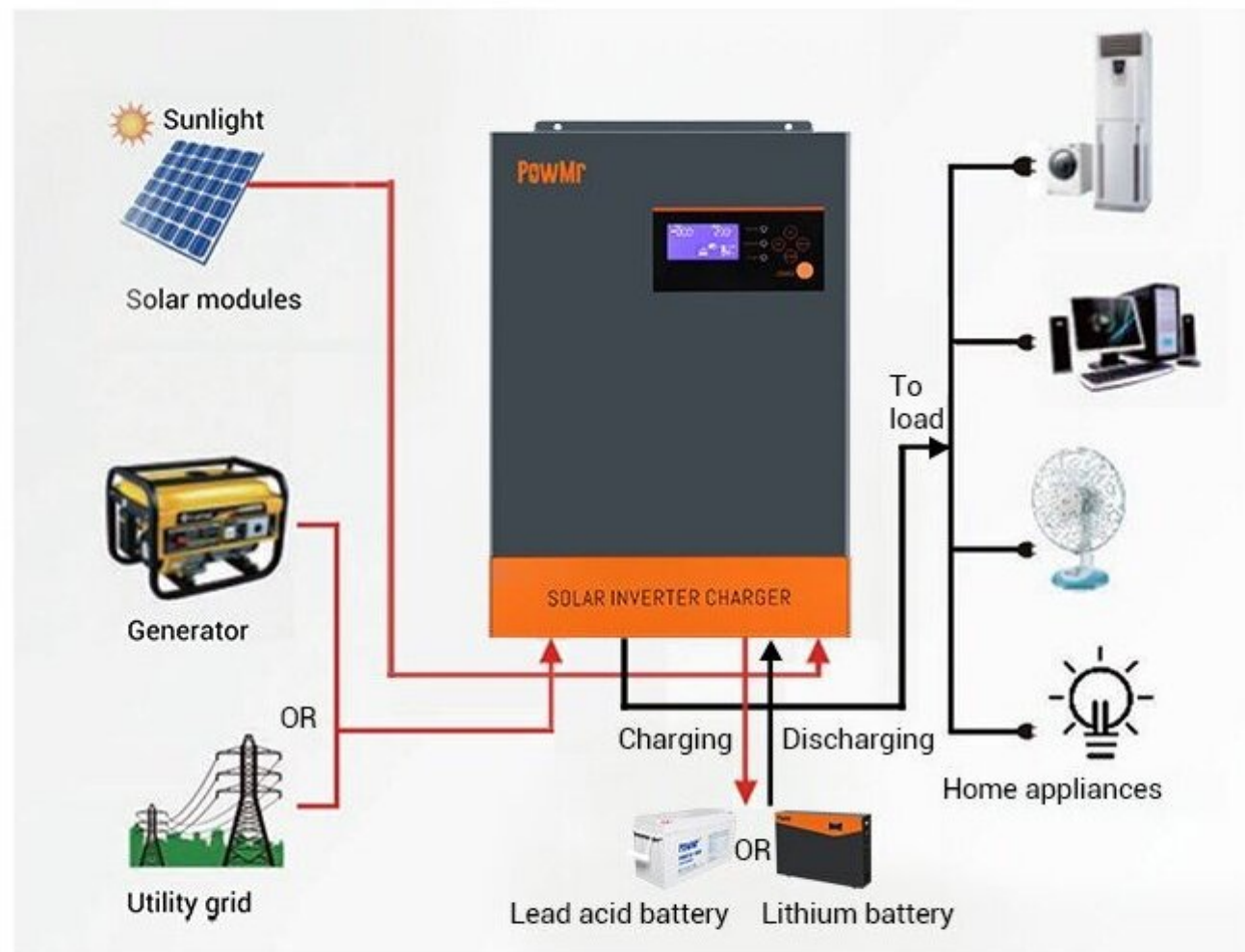




## POW-HVM5.5KW Parallel Support



## System Diagram



## Technical Specification for Selection Guide

MODEL	POW-HVM5.5K-48V	POW-HVM5.5K-48V-P
The rated power	5.5KVA/5.5KW	5.5KW/5.5KVA
Parallel Capability	No	Yes, up to 9 units
<b>Input</b>		
Nominal Voltage	230VAC	
Acceptable Voltage Range	170-280VAC(For personal Computer);	
	90-280VAC(For Home Appliances)	
Frequency	50/60 Hz (Auto sensing)	
<b>Output</b>		
Surge Power	11000VA	
Efficiency(Peak)	94%-97%	
Waveform	Pure Sine wave	
Transfer Time	10ms typical(UPS),20ms typical (Appliances)	
No Load Power Consumption		
DC Voltage (Optional)	12 VDC ± 5%, 100W	
<b>Battery</b>		
Battery Voltage	48VDC	
Floating Charge Voltage	54VDC	
OverCharge Protection	63VDC	
<b>Solar Charger &amp; AC Charger</b>		
Solar Charger Type	MPPT	
Max.PV Array Power	5500W	
MPPT Range @ Operating Voltage	120VDC-450VDC	
Maximum Solar Charge Current	18A	
Maximum AC Charge Current	80A	
Max. PV Array Open Circuit Voltage	500VDC	
<b>Physical</b>		
Dimensions, D x W x H(mm)	500*420*200	
Net Weight (Kgs)	10	
Communication Interface	RS485/RS232(Standard) LCD remote/WIFI(Optional)	
<b>Operating Environment</b>		
Operating Temperature	-10°C to 55°C	
Storage temperature	-15°C to 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	