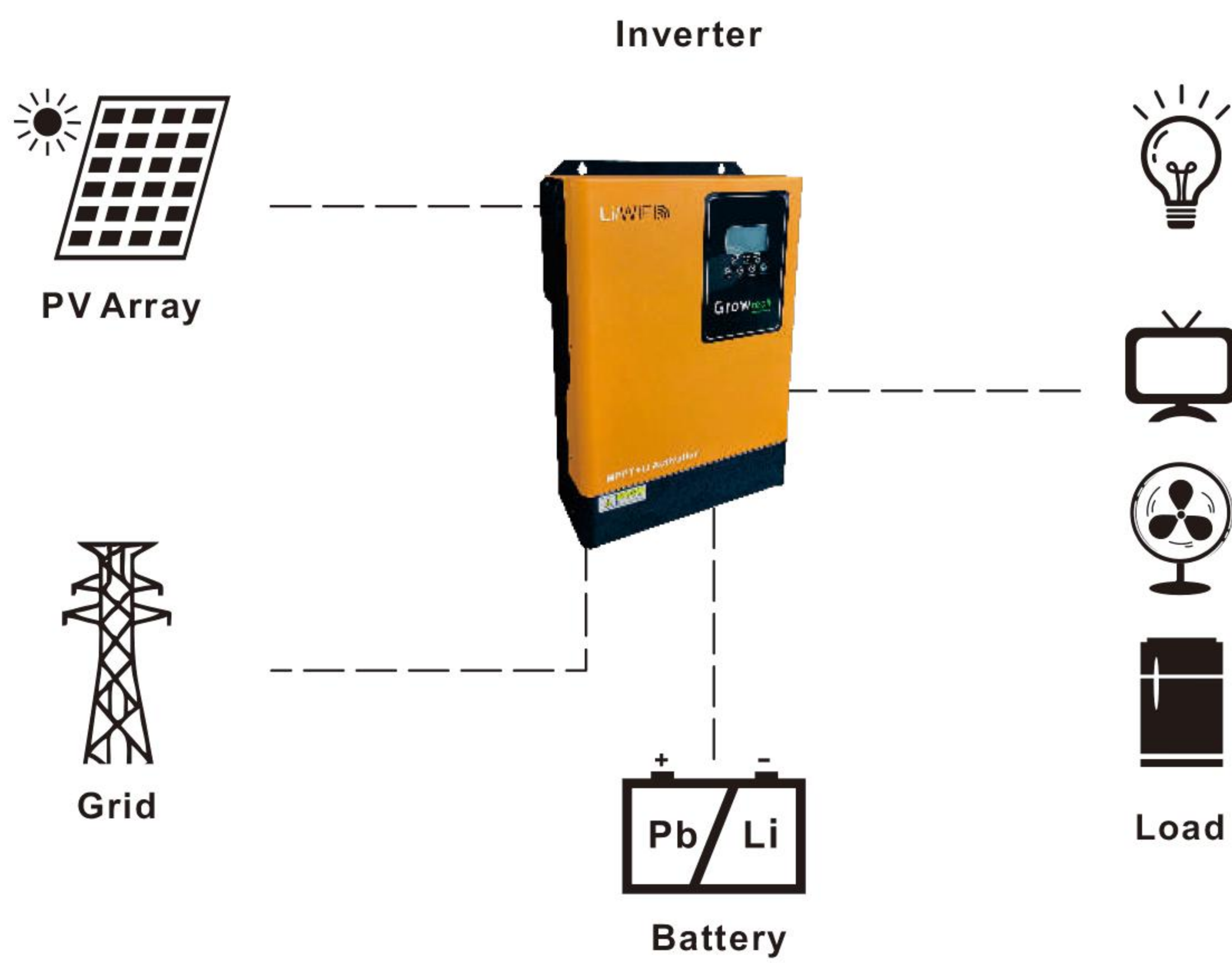


# Inverter 5500va/5500w

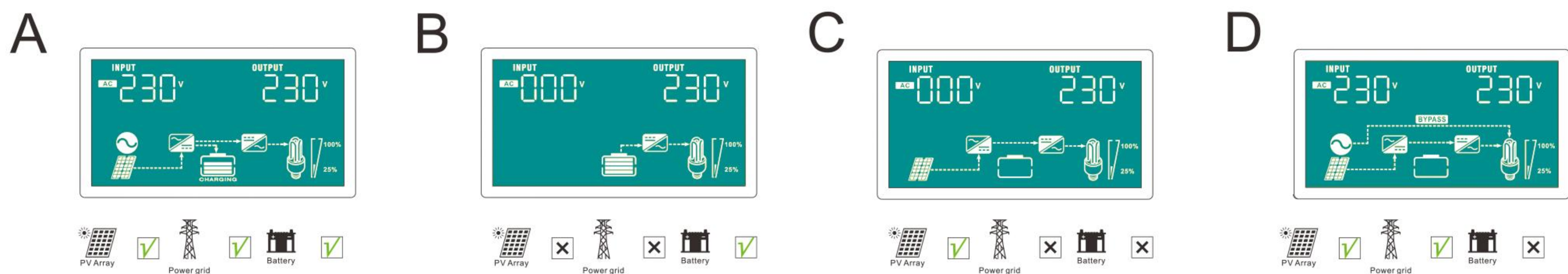


## Features

- Pure sine wave output
- Smart LCD setting (Working modes, Charge Current, Charge Voltage, etc).
- Built-in MPPT solar charge controller
- MAX PV Array Open Circuit Voltage: 450V
- Can provide the power to the load without battery
- Combining solar system, AC utility, and battery power source to supply continuous power
- Overload, short circuit and Deep discharge protection
- Cold start function
- Support USB, RS485 monitoring function
- WIFI remote monitoring (optional)
- Lithium battery activation function
- Built in BMS, can communicate with various brands of lithium batteries



## System Diagram





<b>MODEL</b>		<b>GT-MP5548</b>
Capacity	5.5KVA/5.5KW	
Parallel Capability	NO	
<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>		
Nominal Voltage	220/230VAC±5%	
Surge Power	11000VA	
Frequency	50/60Hz	
Waveform	Pure Sine wave	
Transfer Time	10ms(For personal Computer);20ms(For Home Appliances)	
Peak Efficiency(PV to INV)	96%	
Peak Efficiency(Battery to INV)	93%	
Overload Protection	5s@>=150% load; 10s@110%~150% load	
Crest Factor	3:1	
Admissible Power Factor	0.6~1 (inductive or capacitive)	
<b>BATTERY</b>		
Battery Voltage	48VDC	
Floating Charge Voltage	54VDC	
OverCharge Protection	63VDC	
Charging Method	CC / CV	
Lithium Battery Activation	YES	
Lithim battery Communication	YES(RS485)	
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	MPPT	
Max.PV Array Power	5500W	
Max.PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	60VDC~500VDC	
Max.Solar Input Current	18A	
Max.Solar Charge Current	100A	
Max.AC Charge Current	80A	
Max.Charge Current (PV+AC)	100A	
<b>PHYSICAL</b>		
Dimensions,D x W x H(mm)	438*295*105	
Package Dimensions,D x W x H(mm)	560*375*185	
Net Weight(Kg)	9	
Communication Interface	RS232+RS485	
<b>ENVIRONMENT</b>		
Operating Temperature Range	(-10°C to 50°C)	
Storage Temperature	(-15°C ~ 50°C)	
Humidity	5% to 95% Relative Humidity ( Non-condensing )	

Product specifications are subject to change without further notice.