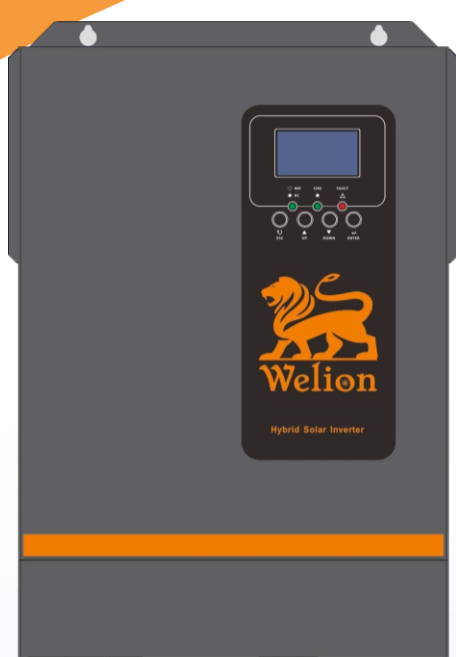




# Hybrid Solar Inverter

VMPS-3.5KVA / VMPS-5.5KVA



**Waveform**  
Pure sine wave



**PF=1.0**



**120-500V**  
Wide PV Input



**Working without**  
batteries in sun day



**Support Generator**  
Connection



**Support Max 12 units**  
Parallel

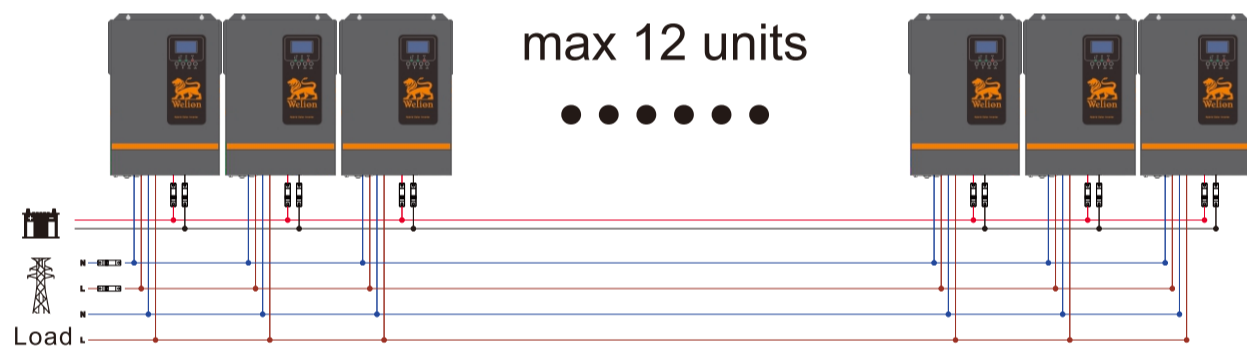
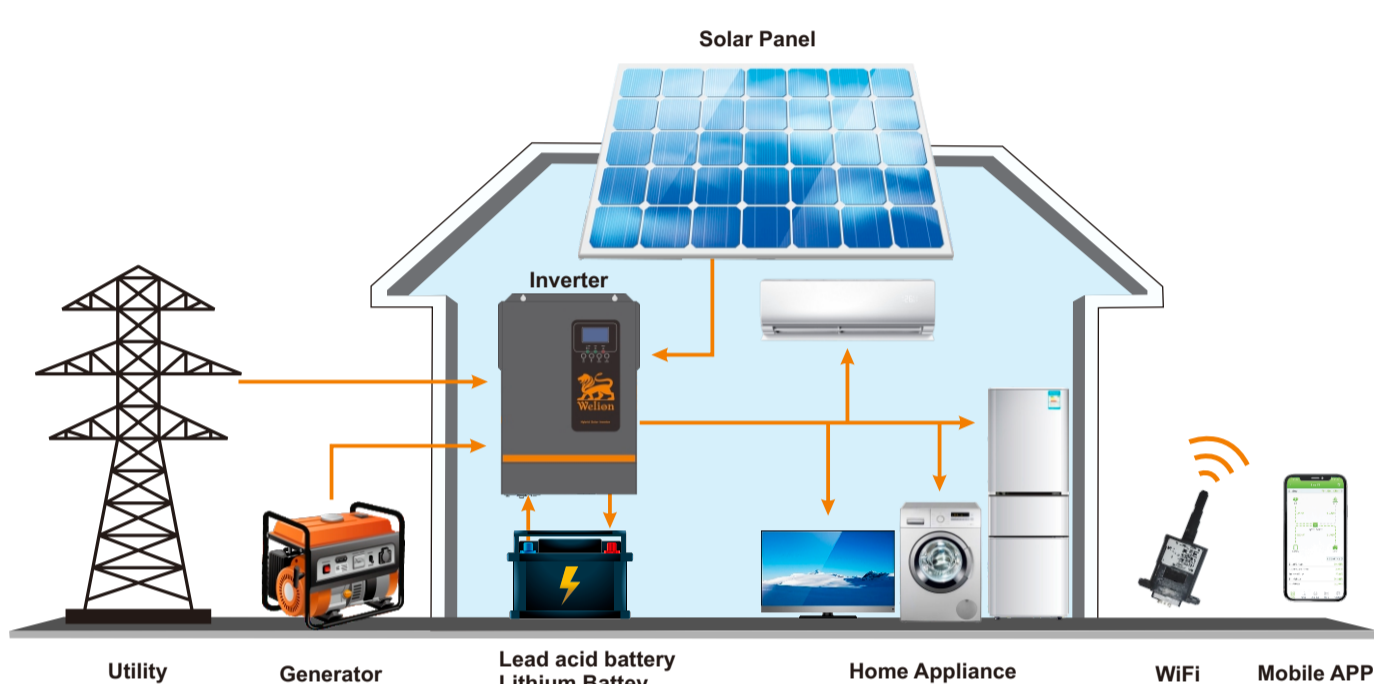


**Lead-acid/Lithium**  
Battery Optional

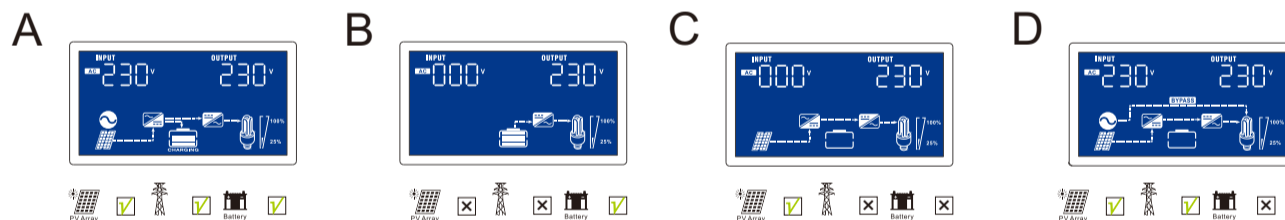


**WIFI remote**  
monitoring

## Application Diagram



## System Diagram



## Technical Data

MODEL	VMPS-3.5KVA	VMPS-5.5KVA
CAPACITY	3.5KVA/3.5KW	5.5KVA/5.5KW
Parallel Capability	NO	Yes,12pcs
<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	7000VA	11000VA
Frequency	50/60 Hz	
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	24VDC	48VDC
Floating Charge Voltage	27VDC	54VDC
OverCharge Protection	33VDC	63VDC
Charging Method	CC/CV	
<b>Solar Charger &amp; AC Charger</b>		
Solar Charger TYPE	MPPT	
Max.PV Array Power	4000W	5500 W
Max. PV Array Open Circuit Voltage	500VDC	
PV Array MPPT Voltage Range	120VDC~450VDC	
Max. Solar Input Current	15A	18A
Max. Solar Charge Current	100A	100A
Max. AC Charge Current	60A	60A
Max. Charge Current	100A	100A
<b>PHYSICAL</b>		
Dimensions, D x W x H(mm)	482x290x113	
Package Dimensions, D x W x H(mm)	565x380x190	
Net Weight (Kgs)	9	10
Communication Interface	USB/RS232/Dry-contact	
<b>ENVIRONMENT</b>		
Operating Temperature Range	-10°C to 50°C	
Storage temperature	-15°C~ 60°C	
Humidity	5% to 95% Relative Humidity (Non-condensing)	

Product specifications are subject to change without further notice.