

## SPECIFICATION

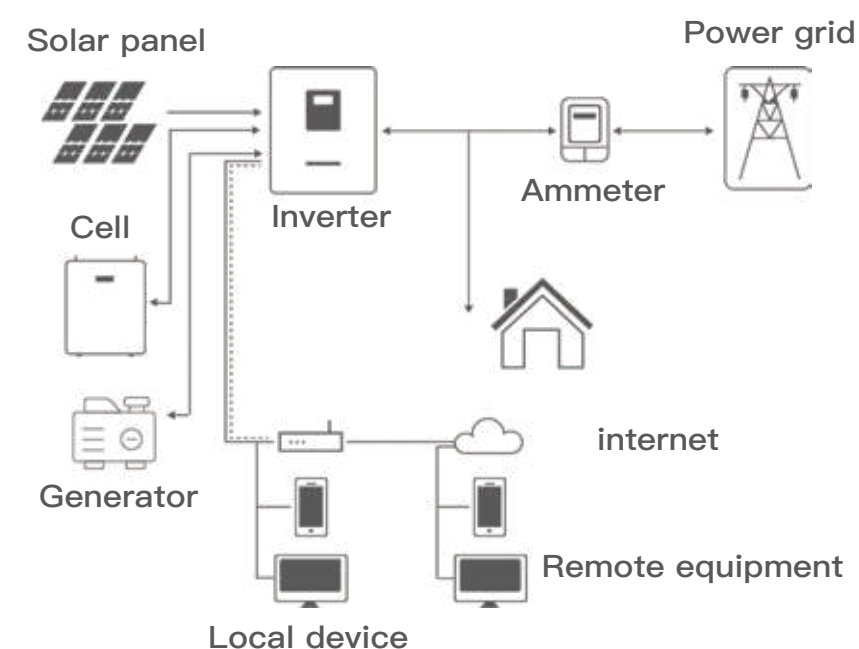
### VMII Plus 3.5KW/5.5KW Series

Wall-mounted off-Grid Solar Inverter



### Product Features

- Off-grid inverter, support mains and photovoltaic solar tow input
- DPS digital control technology, double transform online design, using input PFC technology, input power up to 0.99, efficient inverter topology, higher output efficiency
- The battery equalization function optimizes battery performance for higher energy storage efficiency
- Mains/pv/battery/multimode optimal output
- Support battery cold start
- Built-in dust-proof net suite, suitable for bad environment
- Support external WIFI module, can use mobile APP remote monitoring (optional)



MODEL	VMII Plus 3.5KW	VMII Plus 5.5KW
Rated power	3500VA	5500VA
<b>Ac input</b>		
Voltage	230VAC	230VAC
Voltage range	170-280Vcr(Suitable for personal computers) 90-280Vax(Suitable for household appliances)	170-280Vcr(Suitable for personal computers) 90-280Vax(Suitable for household appliances)
Frequency range	50Hz/60Hz	50Hz/60Hz
<b>PV input</b>		
Maximum photovoltaic array power	5000W	5500W
The largest photovoltaic array open-circuit voltage	500VDC	500VDC
MPPT @ working voltage range	120VDC-450VDC	120VDC-450VDC
The rated voltage	240V	360V
Number of MPPT	1	1
<b>Output Parameters</b>		
PV/battery model		
Voltage	230V±5%	230V±5%
Frequency	50/60HZ	50/60HZ
Efficiency	93%	93%
Maximum output power	3500W	5500W
Conversion time	10ms (Typical UPS) 20ms (Household appliance)	10ms (Typical UPS) 20ms (Household appliance)
Harmonic	3%	3%
Overload capacity	5s@≥150%load;10s@110%-150%load	5s@≥150%load;10s@110%-150%load
<b>The utility model</b>		
Voltage	230V±5%	230V±5%
Frequency	50Hz	50Hz
Efficiency	95%	95%
<b>Battery</b>		
Battery voltage	24V	48V
Charging mode	A three-stage charging	A three-stage charging
Maximum charging current (MPPT)	80A	80A
Maximum charging current	80A	80A
Maximum charging current	100A	100A
Cold start voltage	23V	46V
The battery type	Lead acid and lithium electricity	Lead acid and lithium electricity
Protection function	Output short circuit overload over temperature protection, and other functions	Output short circuit overload over temperature protection, and other functions
Communication port	RS232,USB	RS232,USB
<b>The work environment</b>		
Working temperature	-10c-50℃	-10c-50℃
Storage temperature	-15℃-60℃	-15℃-60℃
Relative humidity	5%-95%	5%-95%
<b>Physical</b>		
Size (D/W/H)	465x305x110mm	465x305x110mm
Net weight (KG)	9.5	10.5