

JUPITER SERIES

IV 3.6 & 6.2KW

ON-GRID OFF-GRID HYBRID



Monitor & Control
Wi-Fi Option

RS232/BMS

Works With &
Without Battery

Colorful LCD
Display

RGB Lights
Supported

★ Features ★



Max PV Input
6000w+



High Power
Factor



Anti-Dust For
Harsh Environment



High Surge
Endurance



120A Max
Charging Current



Smart Power
Management Set
Multiple Schedules



MPPT Range
120-430VDC



Max PV Voltage
500VDC



Zero-Export
Built - in



Max PV Input
Current 27A

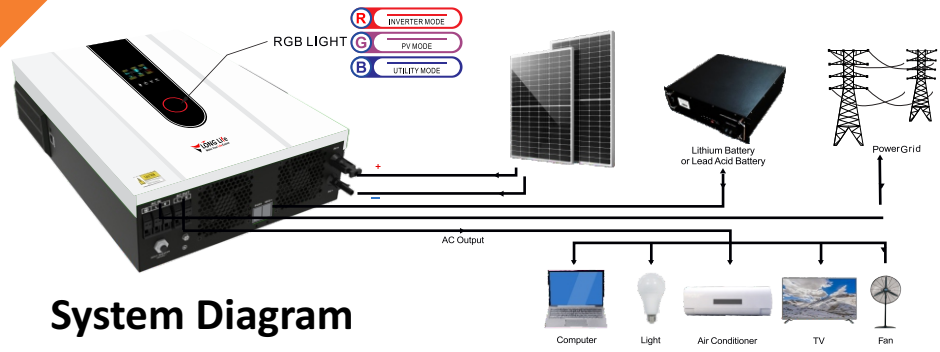
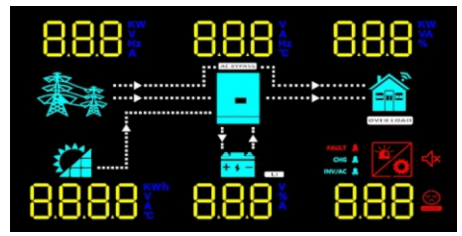


Net Metering
Feed into Grid

RGB automatically switches with the working mode of the inverter:

- Battery Mode : Red
- Utility Mode : Blue
- PV Mode : Purple

Colorful LCD Display



System Diagram

Red-Battery Mode

Blue-Utility Mode

Purple-PV Mode



Product Data Sheet

MODEL	LONG LIFE VM-IV-3.6KW PLUS	LONG LIFE VM-IV-4.2KW PLUS	LONG LIFE VM-IV-6.2KW PLUS
Phase	1-phase		
Maximum PV Input Power	6200W	6200W	6500W
Rated Output Power	3600W	4200W	6200W
Maximum Solar Charging Current	120A	140A	120A
GRID-TIE OPERATION			
PV Input(DC)			
Nominal DC Voltage/Maximum DC Voltage	360VDC/500VDC		
Start-up Voltage/Initial Feeding Voltage	90VDC/120VDC		
MPPT Voltage Range	90VDC~450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A		
GRID OUTPUT(AC)			
Nominal Output Voltage	200/230/240VAC		
Output Voltage Range	195.5~253VAC		
Nominal Output Current	15.7A	18.2A	27.0A
Power Factor	>0.99		
Feed-in Grid Frequency Range	49~51±1Hz		
EFFICIENCY			
Maximum Conversion Efficiency(DC/AC)	97%		
OFF-GRID OPERATION			
AC INPUT			
AC Start-up Voltage/Auto Restart Voltage	120-140VAC/180VAC		
Acceptable Input Voltage Range	90-280VAC or 170-280VAC		
Maximum AC Input Current	30A	30A	40A
Nominal operating frequency	50/60Hz		
Surge power	7200VA	8400VA	12400VA
PV INPUT(DC)			
Maximum DC Voltage	500VDC		
MPPT Voltage Range	90VDC~450VDC		
Number of MPPT Trackers/Maximum Input Current	1/27A		
BATTERY MODE OUTPUT(AC)			
Nominal Output Voltage	24VDC	24VDC	48VDC
Output Waveform	Pure sine wave		
Efficiency(DC to AC)	94%		
BATTERY & CHARGER			
Nominal DC Voltage	24VDC	24VDC	48VDC
Maximum Solar Charging Current	120A	140A	120A
Maximum AC Charging Current	100A		
GENERAL			
PHYSICAL			
Dimension,D x W x H(mm)	420*310*110		
Net Weight(kgs)	10	11	11
INTERFACE			
Communication Port	RS232/WIFI/BMS		
ENVIRONMENT			
Humidity	0~90%		
Operating Temperature	-10to50°C		