

# 1.5 KW 3.0 KW

## VM III PRO SOLAR HYBRID INVERTER



## KEY SALIENT FEATURES

- ✓ Introducing 1st time in Pakistan, Supporting 500W Plus solar panels in small size inverter
- ✓ 100% Pure Sine Wave Solar Inverter
- ✓ Built-in (100A) MPPT Solar Charge Controller
- ✓ Output power factor 1 Wi-Fi Optional - available for IOS/Android
- ✓ Built-in anti dust for harsh environment Smart battery charger design to optimize battery life
- ✓ Inverter running with battery
- ✓ Compatible with Li-ion, LifePo4 and etc
- ✓ High input voltage range (80~500VDC) for easy sharing with load
- ✓ Battery equalization
- ✓ Adaptable to main voltage/generator power
- ✓ Conformal coating to prevent from Dust & Humidity
- ✓ Built-in automatic electronics breaker for overload & short circuit protection.
- ✓ Design and Engineered in Taiwan



500+  
WATT SOLAR  
SUPPORT



HIGH  
PV INPUT  
130~430VDC



LITHIUM  
BATTERY  
SUPPORTED



WI-FI  
OPTIONAL



IP 21  
PROTECTION



100A MPPT  
CONTROLLER



NEW LCD  
DESIGN

MODELS	VM III PRO 1500-12	VM III PRO 3000-24
Rated Power	1500VA/1500W	3000VA/3000W
<b>AC INPUT</b>	230 VAC	
Voltage	170~280 VAC (For Personal Computer)	
Selectable Voltage Range	90~280VAC (For Home Appliances)	
Frequency Range	50 HZ / 60 HZ (Auto Sensing)	
<b>AC OUTPUT</b>	230 VAC + 5%	
Surge Power	2400 VA	6000 VA
Efficiency (Peak) PV to INV	97%	
Efficiency (Peak) Battery to Inv	94%	
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
<b>BATTERY &amp; AC CHARGER</b>		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	33 VDC
Maximum AC Charge Current	60A	
<b>SOLAR CHARGER</b>		
Maximum PV Array Power	2000W	4000W
MPPT Range @ Operating Voltage	80~430 VDC	
Maximum PV Array Open Circuit Voltage	450 VDC	500 VDC
Startup PV Voltage / Nominal PV Voltage	150 VDC / 240 VDC	
Maximum Charge Current	TRUE (MPPT) 100A	
Maximum PV Input Current	18A	
Maximum Efficiency	98%	
<b>PHYSICAL</b>		
Dimension.D*W*H(mm)	423 x 368 x 172 mm	
Communication Interface	RS323/GPRS/Wi-Fi	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non~Condensing)	
Operating Temperature	0 C~55 C	
Storage Temperature	-15 C-60 C	

