

MARVEL

S E R I E S

120A
TRUE MPPT

4.0 KW
6.0 KW

VM IV - PV 5000 & PV7000



KEY SALIENT FEATURES

- ✓ 100% Pure sine wave inverter
- ✓ Inverter with battery equalization
- ✓ 120A MPPT based solar charge inverter Upgraded generation smart and intelligent solar inverter
- ✓ Output power factor 1
- ✓ Adaptable to main voltage / Generator power
- ✓ Compatible with SNMP box Wi-Fi box New smart LCD display
- ✓ Conformal coating to prevent from dust and humidity
- ✓ Configurable AC/Solar input priority via LCD setting
- ✓ Overload and short circuit protection
- ✓ Work with battery and without battery
- ✓ Wi-Fi Mobile monitoring device (Optional)
- ✓ Design and Engineered in Taiwan



TRUE
MPPT



PURE SINE
WAVE INVERTER



POWER
FACTOR 1.0



WORK WITH &
WITHOUT BATTERY



COMPATIBLE WITH
SNMP BOX



OVERLOAD
PROTECTION



NEW LCD
DESIGN

MODEL	MARVEL VM IV 5000PV	MARVEL VM IV 7000PV
Rated Power	4000VA/4000W	6000VA/6000W
AC INPUT	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)	
AC OUTPUT	230 VAC + 5%	
AC Voltage Regulation	230 VAC + 5%	
Surge Power	8000 VA	12000 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)	
BATTERY & AC Charger		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
Maximum AC Charge Current	60A	
SOLAR CHARGER		
Maximum PV Array Power	5000W	7000W
MPPT Range @ Operating Voltage	120~450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Charge Current	TRUE (MPPT) 120 A	
Maximum Efficiency	98%	
PHYSICAL		
Dimension.D*W*H(mm)	543 394 x 214 mm	
Net Weight (kgs)	11.1	12.3
Communication Interface	Remove LCD /RS323/GPRS/Wi-Fi	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-Condensing)	
Operating Temperature	0 C~55 C	
Storage Temperature	-15 C~60 C	

Note: Product specifications are subject to change without further notice



1st Off Grid Inverter With REAL TIME SHARING

Certification

