

AiN SERIES

100A^{TRUE}
MPPT

VM III PRO 1.5/3.0/5.5 KW

SHARING BASED SOLAR HYBRID INVERTERS



KEY SALIENT FEATURES

- > 100% Pure Sine Wave Solar Inverter
- > Built-in (100A) MPPT Solar Charge Controller
- > Output power factor 1.0
- > Inverter running with battery
- > Wi-Fi Optional - available for IOS/Android
- > Built-in anti dust for harsh environment
- > Smart battery charger design to optimize battery life
- > High input voltage range (80~500VDC) for easy sharing with load
- > Built-in DC output for DC Fan, LED Bulb, Router and so on
- > Battery equalization/Lithium battery supported
- > Adaptable to main voltage/generator power
- > Conformal coating to prevent from Dust & Humidity
- > Built-in automatic electronics breaker for overload & short circuit protection.



Terms & Condition Apply

CERTIFICATIONS



MODELS	VM III PRO 1500-12	VM III PRO 3000-24	VM III PRO 5500-48
Rated Power	1500VA/1500W	3000VA/3000W	5500VA/5500W
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			
AC Voltage Regulation	230 VAC \pm 5%		
Surge Power	2400 VA	6000 VA	11000 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	12 VDC	24 VDC	48 VDC
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC
Overcharge Protection	16 VDC	33 VDC	63 VDC
Maximum AC Charge Current	100A		
SOLAR CHARGER			
Maximum PV Array Power	2000W	4000W	6000W
MPPT Range @ Operating Voltage	80~430 VDC	80~430 VDC	120~450 VDC
Maximum PV Array Open Circuit Voltage	450 VDC	500 VDC	500 VDC
Maximum Charge Current	TRUE (MPPT) 100A		
Maximum Efficiency	98%		
PHYSICAL			
Dimension.D*W*H(mm)	394*302*106		
Net Weight (kgs)	7.95	8.3	8.3
Communication Interface	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		



Wi-Fi Device
Optional



12V
DC Output
27A

HIGH
PV INPUT
80~500VDC



Wi-Fi
Optional



IP 21
Protection



100A MPPT
Controller



New LCD
Design