

4G

HYBRID INVERTER

120A^{True} MPPT

4.0/6.0 KW

VM III PRO SERIES

ON/OFF GRID 4G SOLAR HYBRID INVERTER



KEY SALIENT FEATURES

- Introducing 1st time in Pakistan, Supporting 600w plus solar panels
- 100% Pure Sine Wave Solar Inverter
- Output power factor 1.0
- Optional Wi-Fi available for IOS/Android devices
- Inverter running with battery or without battery
- MPPT Based Solar Charge Controller (120A)
- New LCD function design with touch buttons
- High PV input voltage range (120~500 VDC) for easy sharing with load
- Built-in anti dust for harsh environment
- Battery equalization / lithium battery supported
- Adaptable to main Voltage / generator power
- Conformal coating to prevent from dust and humidity
- Built-in automatic electronic breaker for overload & short circuit protection
- Designed and Engineered in Taiwan



*Terms & Condition Applies



Certification



AIN

SERIES

Powered by GROWATT PK

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MODELS	4G 4000-24	4G 6000-48
PHASE	1-Phase in / 1-phase out	
MAXIMUM PV INPUT POWER	5000W	7000W
RATED OUTPUT POWER	4000W	6000W
MAXIMUM CHARGING POWER	3800W	5800W
GRID-TIE OPERATION WITHOUT BATTERY		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	240 VDC / 500 VDC	
Start - up Voltage / Initial Feeding Voltage	120 VDC / 180VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum Input Current	1 x 18 A	1 x 27 A
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	220-230	
Nominal Output Current	18.1 A	27.2 A
Power Factor	1.0	
EFFICIENCY		
Maximum Conversion Efficiency (DC / AC)	95%	
European Efficiency@ Vnominal	96%	
OFF - GRID OPERATION WITH BATTERY		
AC INPUT		
AC Start - up Voltage / Auto Restart Voltage	90-140 VAC / 180 VAC	
Acceptable Input Voltage Range	170 - 280 VAC	
Maximum AC Input Current	60A	60A
PV INPUT (DC)		
Maximum DC Voltage	500 VDC	
MPP Voltage Range	120 ~ 450 VDC	
Number of MPP Trackers Maximum Input Current	1 x 18 A	1 x 27 A
Rated Current MPPT	120A	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Waveform	Pure Sinewave	
Efficiency (DC to AC)	93%	
HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	240 VDC / 500 VDC	
Start - up Voltage / Initial Feeding Voltage	120 VDC / 180 VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	
Number of MPP Trackers/Maximum Input Current	1 x 18 A	1 x 27 A
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Output Voltage Range	220/230 VAC	
Nominal Output Current	18.1 A	27.2 A
AC INPUT		
AC Start - up Voltage / Auto Restart Voltage	90 -140 VAC	
Acceptable Input Voltage Range	170 - 280 VAC	
Maximum AC Input Current	20.2 A	20.2 A
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240 VAC	
Efficiency (DC to AC)	93%	
BATTERY & CHARGER		
Nominal DC Voltage	24 V	48 V
Maximum Charging Current	60/30 A Default Adjustable	
GENERAL		
PHYSICAL		
Dimension , D x W x H (mm)	540 x 420 x 205 mm	
INTERFACE		
Communication Port	com-Rs-232/USB	
ENVIRONMENT		
Humidity	0~90% R5 (Non-Condensing)	
Operating Temperature	-10 to 50°C	
Altitude	0 ~ 1000 m**	

Note: Product specifications are subject to change without further notice