

60A TRUE
MPPT

1.5/2.8 KVA

VM PLUS SERIES

SOLAR HYBRID INVERTERS



KEY SALIENT FEATURES

- First thermal protected pure sine wave inverter 90%.
- Built in (MPPT) Solar charge controller 60A.
- Battery Equalizations
- Hybrid settings functional with 4 buttons
- Boosted buck charging with AVR
- Voltage operate 95 volts to 285 volts
- Reverse polarity protection
- Automatic line-to-battery switch over
- Rack design & wall-mounted design for flexible installations
- Provide over load protection
- Auto restart while AC recovery
- Multi function LCD/LED Display for comprehensive information & buzzer alarm
- Thermal protection sensor
- High efficient DC to AC conversion minimizing energy loss
- Intelligent 4 stage charge controller for efficient charging and preventing overcharge
- Cost effective as compared to generator; multiple protection: Low battery alarm, low battery shutdown, overcharge voltage shutdown, overload alarm & shutdown, over temperature shutdown and short circuit shutdown
- Conformal coating to prevent from dust and humidity
- Design and Engineered in Taiwan



*Terms & Condition Applies

Certification



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AIN
SERIES

Powered by GROWATT PK

MODELS	VM PLUS 1500-12	VM PLUS 2800-24
Rated Power	1500VA/1050W	2800VA/1820W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	90-280VAC	
Frequency Range	50Hz/60Hz (Auto Sensing)	
OUTPUT		
AC Voltage Regulation (Batt.Mode)	230VAC±10%	
Overload (Line mode)	Load > 110% ± 15%, alarm 5 mins then fault if user decrease the load < 100% rating, the overload alarm can release. Load > 130% ± 15%, fault immediately	
Surge Power	2000VA	4000VA
Efficiency(Peak)	82%	85%
Transfer Time	20ms	
Wave form	Pure Sine Wave 90%	
BATTERY		
Battery Voltage	12VDC	24VDC
Floating Charge Voltage	13.7VDC ± 0.5VDC	27.4VDC ± 1VDC
Overcharge Protection	15.0VDC ± 0.5VDC	30.0VDC ± 1VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	TRUE (MPPT)	TRUE (MPPT)
Maximum PV Array Open Circuit Voltage	100VDC	100VDC
Maximum PV Array Power	1000W	1500W
MPPT Range @ Operating Voltage	15-80VDC	15-80VDC
Maximum Solar Charge Current	60A	60A
Maximum Charge Current	10A/20A	10A/15A
INDICATORS	AC Mode, Battery mode, Fault	
ALARM	Low Battery, Overload, Fault	
PHYSICAL		
Dimension.D*W*H(mm)	290*232*93mm	
Net Weight (kgs)	4.5kg	
Communication Interface		
OPERATING ENVIRONMENT		
Humidity	0 to 90% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to 40°C	
Storage Temperature	-15°C to 50°C	

Note: Product specifications are subject to change without further notice.

