



VM II Premium Plus 1.5KW/
VM II Premium Plus 3KW

VM II Premium Plus 4.2KW/
VM II Premium Plus 6KW

VM II Premium Plus series Hybrid Inverter

- Wide PV input range, starts from 30VDC for 1.5K/3K/4.2K models
- Built-in communication port for BMS
- Built-in feed-in grid function
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Dual AC outputs only for 4.2K/6.2K models
- Maximum charging current 100A/120A based on models
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

VM II Premium Plus series Hybrid Inverter

MODEL	Axpert VM II Premium+ 1.5K	Axpert VM II Premium+ 3K	Axpert VM II Premium+ 4.2K	Axpert VM II Premium+ 6.2K
Rated Power	1500VA/1500W	3000VA/3000W	4200VA/4200W	6200VA/6200W
INPUT				
Voltage	230 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%			
Output Power	1500W with PV & battery 1200W with battery only	3000W with PV & battery 2500W with battery only	4200W with PV & battery 4000W with battery only	6200W with PV & battery 5000W with battery only
AC Output No.	Single	Single	Dual Outputs	Dual Outputs
Surge Power	3000VA	6000VA	8400VA	12400VA
Efficiency (Peak)	93%			
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	12 VDC	24 VDC	48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC	54 VDC	
Overcharge Protection	16 VDC	32 VDC	63 VDC	
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC	500 VDC	500 VDC
Maximum PV Array Power	2000W	3000W	5000W	6500W
Maximum PV Input Current	13 A	13 A	18 A	18 A
MPP Range @ Operating Voltage	30 ~ 300 VDC (Min. 60VDC without battery connected)	30 ~ 400 VDC (Min. 60VDC without battery connected)	30 ~ 450 VDC (Min. 60VDC without battery connected)	90~450 VDC (Min. 100VDC without battery connected)
Maximum Solar Charge Current	100A	100A	120A	100A
Maximum AC Charge Current	80A	80A	100A	100A
Maximum Charge Current	100A	100A	120A	100A
PHYSICAL				
Dimension, D x W x H (mm)	90 x 288 x 357		115 x 300 x 435	
Net Weight (kgs)	6.6	7.1	9	10.4
Communication Interface	RS232/RS485(BMS)/WiFi			
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			

Product specifications are subject to change without further notice.