Axpert VM II Premium+ 1.5kw, 3kw, 4.2kw, 6.2kw, 8kw,10kw, 12kw



- Wide PV input range: 1.5K/3K/4.2K models start from 30VDC, and 6.2K-12K models start from 90VDC.
- Built-in communication port for BMS.
- Built-in feed-in grid function
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit
- Dual AC outputs for smart load management (only for 4.2K-12K models)

Axpert VM II Premium+ Hybrid Inverter Selection Guide

MODEL	Axpert VM II Premium+ 1.5K	Axpert VM II Premium+ 3K	Axpert VM II Premium+ 4.2K	Axpert VM II Premium+ 6.2K	Axpert VM II Premium+ 8K	Axpert VM II Premium+ 10K	Axpert VM II Premium+ 12K
Rated Power	1500VA/1500W	3000VA/3000W	4200VA/4200W	6200VA/6200W	8000VA/8000W	10000VA/10000W	12000VA/12000W
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	8000VA/8000W	10000VA/10000W	12000W with PV & battery 10000W with battery only
AC Output No.	Single	Single	Dual Outputs	Dual Outputs	Dual Outputs	Dual Outputs	Dual Outputs
Surge Power	3000VA	6000VA	8400VA	12400VA	16000VA	20000VA	24000VA
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	48 VDC		
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC	54 VDC		
Overcharge Protection	16 VDC	32 VDC		63 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	500 VDC		
Maximum PV Array Power	2000W	3000W	5000W	6500W	12000W (6000W x 2)	14000W (7000W x 2)	15000W (7500W x 2)
Maximum PV Input Current	13 A	13 A	18 A	18 A	22 A x 2	22 A x 2	27 A x 2
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)	90~450 VDC (Min 100VDC without Battery)		
Maximum Solar Charge Current	100A	100A	120A	100A	150 A	180 A	200 A
Maximum AC Charge Current	80A	80A	100A	100A	120 A	150 A	180 A
Maximum Charge Current	100A	100A	120A	100A	150 A	180 A	200 A
PHYSICAL							
Dimension, D x W x H (mm)	90 x 288 x 357		115 x 300 x 435		141 x 322 x 497		
Net Weight (kgs)	6.6	7.1	9	10.4	14.3	16.3	16.3
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.