

VP MODEL

OFF GRID INVERTERS



DATASHEET

MODEL	AxpertVP 1000-12	AxpertVM 1000-12	AxpertVP 2000-24	AxpertVM 2000-24	AxpertVP 3000-24	AxpertVM 3000-24	AxpertVM 3000-24 Plus	AxpertVP 5000-48	AxpertVM 5000-48
Rated Power	1000VA/1000W		2000VA/2000W		3000VA/3000W			5000VA/5000W	
INPUT									
Voltage	230 VAC								
Selectable Voltage Range	170 - 280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)								
Frequency Range	50Hz / 60Hz (Auto sensing)								
OUTPUT									
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%								
Surge Power	2000VA	4000VA			6000VA			10 000VA	
Efficiency (Peak)	90% ~ 93%								
Transfer Time	10 ms (For Personal Computers) ; 20ms (ForHome 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	31 VDC			33 VDC			63 VDC	
SOLAR CHARGER & AC CHARGER									
Solar Charger type	PWM	MPPT	PWM	MPPT	PWM	MPPT		PWM	MPPT
Maximum PV Array Open Circuit Voltage	55 VDC	102 VDC	80 VDC	102 VDC	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC
Maximum PV Array Power	600W	500W	1200W	1000W	1200W	1000W	1500W	2400W	3000W
MPP Range @ Operating Voltage	N/A	17 ~ 80VDC	N/A	30 ~ 80VDC	N/A	30 ~ 80VDC	30 ~ 115VDC	N/A	60 ~ 115VDC
Maximum Solar Charge Current	50A	40A	50A	40A	50A	40A	60A	50A	60A
Maximum AC Charge Current	20A	20A	20A	20A	25A	25A	60A	60A	60A
Maximum Charge Current	50A	60A	50A	60A	70A	60A	120A	110A	120A
PHYSICAL									
Dimension D x W x H (mm)	88 x 225 x 320				100 x 285 x 334		100 x 300 x 440	100 x 300 x 440	
Net Weight (kgs)	4.4	4.4	5	5	6.3	6.5	9.5	8.5	9.7
Communication Interface	USB / RS232								
ENVIRONMENT									
Humidity	5% to 95% Relative Humidity (Non-condensing)								
Operating Temperature	-10°C to 50°C								
Storage Temperature	-15°C to 60°C								

* Typical transfer time for parallel operation is 30ms.

** Option remote panel is NOT available for Axpert MKS 3PK-24/ MKS II 5K / MKS 5KP

Product specifications are subject to change without further notice.