

A P T **INVEREX**[®]

AXPERT 3KW VM SOLAR INVERTER
AXPERT 3KW VP SOLAR INVERTER
AXPERT VM 3KW PLUS SOLAR INVERTER
AXPERT 5KW VM SOLAR INVERTER
AXPERT 5KW VP SOLAR INVERTER

- Pure sine wave solar inverter
- Selectable charging current
- Wide DC input range
- Selectable input voltage range for home appliances
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



NEW GENERATION UPGRADE



SPECIFICATIONS

MODEL	Axpert 3KW VP	Axpert 3KW VM	Axpert VM 3KW Plus	Axpert 5KW VP	Axpert 5KW VM
CAPACITY	3000 VA 3000 W	3000 VA 3000 W	3000 VA 3000 W	5000 VA 5000 W	5000 VA 5000 W
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%				
Surge Power	6000 VA	6000 VA	6000 VA	10000 VA	10000 VA
Efficiency (Peak)	90% ~ 93%				
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	24 VDC	24 VDC	24 VDC	48 VDC	48 VDC
Floating Charge Voltage	27 VDC	27 VDC	27 VDC	54 VDC	54 VDC
Overcharge Protection	33 VDC	33 VDC	33 VDC	63 VDC	63 VDC
SOLAR CHARGER & AC CHARGER					
Solar Charger Type	PWM	MPPT	MPPT	PWM	MPPT
Maximum PV Array Open Circuit	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC
Maximum PV Array Power	1200 W	1000 W	1500 W	2400 W	3000 W
MPP Range @ Operating	N/A	30 ~ 80 VDC	30 ~ 115 VDC	N/A	60 ~ 115 VDC
Maximum Solar Charge Current	50 A	40 A	60 A	50 A	60 A
Maximum AC Charge Current	25 A	25 A	60 A	60 A	60 A
Maximum Charge Current	70 A	60 A	120 A	110A	120 A
PHYSICAL					
Dimension, D X W X H (mm)	100 x 285 x 334		100 x 300 x 440		100 x 300 x 440
Net Weight (kgs)	6.3	6.5	9.5	8.5	9.7
Communication Interface	USB/RS232		USB/RS232		USB/RS232
OPERATING 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