

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Built in (AVR) 90V to 285
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD Setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance



MODEL	Axpert V 3000-24	Axpert VM 3000-24	Axpert VPIII 5000-48	Axpert VM 5000-48
Rated Power	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	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%			
Surge Power	6000VA		10000VA	
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		48 VDC	
Floating Charge Voltage	27 VDC		54 VDC	
Overcharge Protection	33 VDC		63 VDC	
SOLAR CHARGER & AC CHARGER				
Solar Charger type	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	60 VDC	80 VDC	80 VDC	105 VDC
Maximum PV Array Power	2000 W	2000 W	3000 W	4000 W
MPP Range @ Operating Voltage	N/A	30 ~ 80 VDC	N/A	60 ~ 105 VDC
Maximum Solar Charge Current	60 A	50 A	60 A	60 A
Maximum AC Charge Current	30 A	30 A	30 A	60 A
Maximum Charge Current	90 A	80 A	90 A	120 A
ENVIRONMENT				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	-10°C to 50°C			
Storage Temperature	-15°C to 60°C			