AXPERT By Growatt

powering tomorrow

VP 1.2 VP 2.2
VM 1.2 VM 2.4

V 3 KW
VP III 5KW

VP III 3.2KVA

MKS II 5KW

- 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
- Cold start function
- Optional anti-dusk kit
- Parllal optional 5KVA only
- Built in battery equlization

2 year WARRANTY
One Year Manufacturing
2nd Year Service

Axpert V Off-Grid Inverter Selection Guide

MODEL	Axpert VP 1200-12	Axpert VM 1200-12	Axpert VP 2200-24	Axpert VM 2400-24	Axpert V 3000-24	Axpert VPIII 3200-24	Axpert VPIII 5000-48	Axpert MKS II 5000-48
Rated Power	1200VA/1000W	1200VA/960W	2200VA / 1800W	2400VA / 1920W	3000VA / 3000W	3200VA / 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	2400VA		4800VA		6000VA		10000VA	
Efficiency (Peak)	90% ~ 93%							
Transfer Time	10 ms (For Personal Computers) : 20 ms (For Home Appliances)							
Waveform	Pure sine wave / simulated 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	80 VDC	55 VDC	80 VDC	75 VDC	80 VDC	105 VDC	145 VDC
Maximum PV Array Power	1000 W	1000 W	1500 W	2000 W	2000 W	3000 W	3000 W	6000 W
MPP Range @ Operating Voltage	N/A	17 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	30 ~ 80 VDC	N/A	60 ~ 145 VDC
Maximum Solar Charge Current	60 A	40 A	60 A	40 A	60 A	60 A	60 A	80 A
Maximum AC Charge Current	20 A	20 A	20 A	25 A	30 A	30 A	60 A	60 A
Maximum Charge Current	80 A	60 A	80 A	65 A	90 A	90 A	120 A	140 A
ENVIRONMENT								
Humidity	5% to 95% Relative Humidity (Non-condensing)							
Operating Temperature	-10°C to 50°C							
Storage Temperature	-15°C to 60°C							

Design & Engineering in Taiwan

European Technology