



FCS AXPERT VP OFF GRID INVERTER



Axpert VP 1000-12/
Axpert VP 2000-24

Axpert VP3000-24/
Axpert VM3000-24

Axpert VM 3000-24 Plus /
Axpert VP 5000-48 /
Axpert VM 5000-48

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible with 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
- Optional anti-dusk kit

FCS AXPERT VP OFF GRID INVERTER SELECTION GUIDE

MODEL	Axpert VP 1000-12	Axpert VP 2000-24	Axpert VP 3000-24	Axpert VM 3000-24	Axpert VM 3000-24 Plus	Axpert VP 5000-48	Axpert VM 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	50 Hz/60 Hz (Auto sensing)						
OUTPUT							
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%						
Surge Power	2000VA	4000VA	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	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	PWM	PWM	MPPT		PWM	MPPT
Maximum PV Array Open Circuit Voltage	55 VDC	80 VDC	80 VDC	102 VDC	145 VDC	105 VDC	145 VDC
Maximum PV Array Power	600 W	1200 W	1200 W	1000 W	1500 W	2400 W	3000 W
MPP Range @ Operating Voltage	N/A	N/A	N/A	30~80 VDC	30~115 VDC	N/A	60 ~ 115 VDC
Maximum Solar Charge Current	50 A	50 A	50 A	40 A	60 A	50 A	60 A
Maximum AC Charge Current	20 A	20 A	25A	25A	60 A	60 A	60 A
Maximum Charge Current	50 A	50 A	70 A	60 A	120 A	110 A	120 A
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)	5.0	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						

Product specifications are subject to change without further notice.