

FullCircleSolar VP Off-Grid Inverter



- 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 to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization for optimized battery performance and lifecycle
- Cold start function



MODEL	FCS-3K-VP-3000W	FCS-5K-VP-5000W
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	
Maximum PV Array Power	1200W	2400W
MPPT Range @ Operating Voltage	30 VDC~115 VDC	60 VDC~115 VDC
Maximum PV Array Open Circuit Voltage	80 VDC	105 VDC
Maximum Solar Charge Current	50A	50 A
Maximum AC Charge Current	25A	60 A
Maximum Charge Current	70A	110 A
PHYSICAL		
Dimension,DxWxH (mm)	100 x 285 x 334	100 x 300 x 440
Net Weight (kgs)	6.3	8.5
Communication Interface	USB/RS232	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C - 50°C	
Storage Temperature	-15°C - 60°C	

Product specifications are subject to change without further notice.