

**ARCEUS** **PV-6000**  
**5.8KW**

Pure Sine Wave Solar Inverter



Product Design By:  
**Crown Micro Global**

## »» Features

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Output power factor up to 1.0
- ❖ Compatible to AC mains or generator inputs
- ❖ 5" LCD display for comprehensive information
- ❖ Battery independent design
- ❖ Wi-fi module included
- ❖ Parallel up to 9 units (Optional)
- ❖ Auto restart while AC is recovering
- ❖ Configurable AC/Solar input priority via LCD setting
- ❖ Selectable input voltage range for home appliances and personal computer loads



**Feed In to the Grid**



**Max PV Input 6000W**



**Parallel Operation up to 9 units**



**Works Without Battery**



**Transfer Time**



**LCD With Touch Pad**



**Wi-fi Module Included**

# Specification:

Model	5800VA/5800W	
Input	Input Sources	L+N+PE
	Rated Input Voltage	208/220/230/240Vac
	Voltage Range	90~280Vac±3V(APP Mode),170~264Vac±3V(UPS Mode)
	Frequency	50Hz/60Hz(Auto Adaptive)
Output	Rated Capacity	5800W
	Power Factor	1.0
	Output Voltage	208/220/230/240Vac±5%
	Output Frequency	Line Mode 50Hz:(43.5 ~ 56.5)Hz(UPS Mode),(40~70)Hz(APP Mode) 60Hz:(53.5 ~ 66.5)Hz(UPS Mode),(40 ~ 70)Hz(APP Mode) Battery Mode 50/60Hz±0.1%
	Waveform	Pure Sine Wave
	Transfer Time (Adjustable)	Computers (UPS Mode)10ms,Appliance (APP Mode)10ms
	Peak Power	11600VA
	Overload Ability	Battery Mode 1min@102% ~ 110%Load 10s@110% ~ 130%Load 3s@130% ~ 150%Load 200ms@> 150%Load
	Peak Efficiency (Battery Mode)	>94.0%
	Battery	Battery voltage (nominal)
MAX discharge current		128A
Constant Charging Voltage (Adjustable)		51.75Vdc(3.45*15)
Chargers	PV Charging Mode	MPPT
	MAX PV Input Power	6000W
	MAX PV Input Current	18A
	MAX PV Array Short Circuit Current	18A
	MPPT Tracking Range	120 ~ 450Vdc
	MAX PV Input Voltage	500Vdc
	Best Open Circuit Voltage Range	370 ~ 430Vdc
	Best Voltage	300 ~ 340Vdc
	MAX PV Charging Current	100A
	MAX AC Charging Current	80A
MAX Charging Current	100A	
Display	LCD Display	Display Running Mode /Loads /Input /Output etc.
Interface	RS232	5PIN/ Pitch2.0mm,Baud Rate2400
	Communication Port	WiFi/USB/CAN(RS485)
	Parallel Connect Interface	With Parallel
Environments	Operating Temperature	0~40°C
	Humidity	20% ~ 85%(No Condensing)
	Storage Temperature	-15 ~ 60°C
	Altitude	No derating below 1000m derating for 1% every 100m from 1000m to 2000m, refer to IEC62040
	Ingress protection	IP20
	Noises	≤50dB