

PV-6000

ARCEUS-5KW

Pure Sine Wave Hybrid Inverter



Product Design By:
Crown Micro Global

»»» Features

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Output power factor 1.0
- ❖ With inbuilt dual output
- ❖ 5" LCD display for comprehensive information
- ❖ Battery independent design
- ❖ Built-in smart MPPT solar charger
- ❖ Wi-fi (Optional)
- ❖ Considerable PV input types
- ❖ 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
- ❖ Compatible to AC mains or generator inputs
- ❖ Parallel up to 9 units (Optional)

4 YEARS WARRANTY
1 Year Comprehensive
3 Years Free Services



Feed In to the Grid



Built-in Dual Output



Parallel Operation up to 9 units



Work Without Battery



Transfer Time



LCD With Touch Pad



Max PV Input 6000W

Specification:

MODEL		ARC-5W-M
Nominal Battery System Voltage		48VDC
Parallel Capability		Yes (optional), up to 9 units
Operation Without Battery		Yes
Feed to Grid		
Second Output		Yes
INVERTER OUTPUT	Rated Power	5000W
	Surge Power	10000W
	Wave form	Pure Sine Wave
	AC Voltage Regulation(Batt.Mode)	(220VAC~240VAC) ±5%
	Inverter Efficiency(Peak)	94%
	Transfer Time	10ms(typical)
AC INPUT	Voltage	208/220/230/240VAC
	Selectable Voltage Range	170~280Vac(for personal Computer) 90~280Vac (for home appliances)
	Frequency Range	50Hz/60Hz(Auto sensing)
BATTERY	Normal Voltage	48VDC
	Floating Charge Voltage	54.8VDC
	Overcharge Protection	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	500VDC
	PV Array Voltage Range	MPPT 120~450VDC
	Standby Power Consumption	2W
	Maximum PV Input Power	6000W
	Maximum Solar Charge Current	80A
	Maximum Efficiency	98%
	Maximum AC Charge Current	80A
Maximum Charge Current	80A	
COMMUNICATION	USB/RS232/RS485(optional)	
INTERFACE	LCD	5.5" Colorful With touch pad
MECHANICAL SPECIFICATIONS	Machine Dimensions(H*W*D)(mm)	470*310*120
	Package Dimensions(H*W*D)(mm)	575*400*200
	Net Weight(kg)	8.45
	Gross Weight(kg)	9.8
CERTIFICATION	CE	EMC: EN IEC 61000-6-3:2021 EN IEC 61000-3-2:2019+A1:2021 EN 61000-3-3:2013+A2:2021/EN IEC 61000-6-1:2019 LVD: EN 62109-1:2010 EN 62109-2:2011
OTHER	Humidity	5% to 95% Related Humidity (Non-condensing)
	Operating Temperature	0°C~40°C
	Storage Temperature	-15°C~60°C

»» Solar System Connection

