

PV-6000

ARCEUS-5KW

Pure Sine Wave Solar 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)



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

