

# XAVIER 3KW

PV-3000

Pure Sine Wave Solar Inverter



Product Design By:  
**Crown Micro Global**

## »» Features

- Pure sine wave solar MPPT based inverter
- Wide DC input range
- Battery independent design
- Maximum charging current 100A
- Built-in anti-dust kit
- 2.5" LCD with touch pad
- Battery equalization function to optimize battery performance and extend life cycle
- Output power factor 1
- With inbuilt BMS & WIFI



Built-in  
WIFI



Built-in  
BMS



Power Factor



VDC



Anti Dust  
Kit



Transfer  
Time



Max Efficiency  
93%



LCD With  
Touch Pad



Works Without  
Battery

## Specification:

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| <b>MODEL NAME</b>                     | <b>XAVIER-3KW</b>                                          |
| <b>Rated Power</b>                    | 3000VA/3000W                                               |
| <b>INPUT</b>                          |                                                            |
| 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)                                 |
| <b>OUTPUT</b>                         |                                                            |
| AC Voltage Regulation (Batt. Mode)    |                                                            |
| Surge Power                           | 6000VA                                                     |
| Efficiency (Peak)                     | 93%                                                        |
| Transfer Time                         | 10 ms (For Personal Computers);20 ms (For Home Appliances) |
| Waveform                              | Pure sine wave                                             |
| <b>BATTERY</b>                        |                                                            |
| Battery Voltage                       | 24 VDC                                                     |
| Floating Charge Voltage               | 27 VDC                                                     |
| Overcharge Protection                 | 32 VDC                                                     |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |                                                            |
| Solar Charger Type                    | <b>MPPT</b>                                                |
| Maximum PV Array Open Circuit Voltage | 450 VDC                                                    |
| Maximum PV Array Power                | 3000W                                                      |
| MPPT Range @ Operating Voltage        | <b>30 ~ 400 VDC</b><br>(30 ~ 60 VDC with battery)          |
| Maximum Solar Charge Current          | 100 A                                                      |
| Maximum AC Charge Current             | 80 A                                                       |
| Maximum Charge Current                | 100 A                                                      |
| <b>PHYSICAL</b>                       |                                                            |
| Dimension, D X W X H (mm)             | 100 x 288 x 390                                            |
| Net Weight (kgs)                      | 7.5                                                        |
| Communication Interface               | RS232                                                      |
| <b>OPERATING ENVIRONMENT</b>          |                                                            |
| Humidity                              | 5% to 95% Relative Humidity(Non-condensing)                |
| Operating Temperature                 | -10°C to 50°C                                              |
| Storage Temperature                   | -15°C to 60°C                                              |