

Product Identification Model Name: XAVIER-3KW-PF1
Product Category: Pure Sine Wave Solar MPPT Based Inverter
Brand: Crown / Crown Micro
Warranty: 4 Years Warranty (Terms & Conditions Apply)

Technical Specifications

Output

Rated Power: 3000 VA / 3000 W Surge Power: 6000 VA AC Voltage Regulation (Batt. Mode): 230 VAC $\pm$ 5% Output Power: 3000 W Efficiency (Peak): 93% Transfer Time: 10 ms (for personal computers) Waveform: Pure Sine Wave

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)

Battery Parameters

Battery Voltage: 24 VDC Floating Charge Voltage: 27 VDC Overcharge Protection: 32 VDC
Battery Type: Lithium / Lead-acid

Solar Charger & AC Charger

Solar Charger Type: MPPT Max. PV Array Power: 3000 W Max. PV Array Open Circuit Voltage: 450 VDC MPPT Range @ Operating Voltage: 60–400 VDC Max. Solar Charge Current: 100 A
Max. AC Charge Current: 80 A Max. Charge Current: 100 A

Interface & Communication

Display: 2.5" LCD with Touch Pad Communication Interface: RS232 Wi-Fi: Built-in Wi-Fi

Physical Parameters

Dimension (D * W * H): 100 mm * 288 mm * 390 mm Net Weight: 6.6 kg

Operating Environment

Humidity: 5% to 95% relative humidity (non-condensing) Operating Temperature: -10°C to 50°C
Storage Temperature: -15°C to 60°C

Key Features

- Pure sine wave solar MPPT based inverter
- Wide PV input voltage range starting from 30VDC
- Built-in Anti-Dust Kit & Anti-Dust Filters
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend life cycle
- Output power factor 1.0
- Battery independent design (works without battery)
- Built-in Wi-Fi
- Integrated BMS (Battery Management System)

