

PV-2000

AVIER 1.5KW

Pure Sine Wave Solar Inverter



Product Design By:
Crown Micro Global

»» Features

- ❖ Pure sine wave solar MPPT based inverter
- ❖ Easy install, one battery 12vdc
- ❖ Wide PV input voltage range starts from 30VDC
- ❖ Battery independent design
- ❖ Built-in 80A MPPT solar charger
- ❖ Battery equalization function to optimize battery performance and extend lifecycle
- ❖ Built-in anti-dust kit
- ❖ Output power factor 1



LCD



Max Charge
Current



Power Factor



VDC



Anti Dust
Kit



Transfer
Time



Max Efficiency
93%



Works Without
Battery

Specification:

MODEL	Xavier 1.5KW
RATED POWER	1500VA/1500W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Computers) 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%
Output Power	1500W with PV & battery 1200W with battery only
Surge Power	2400VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	12 VDC
Floating Charge Voltage	13.5 VDC
Overcharge Protection	16 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	350 VDC
Maximum PV Array Power	2000W
MPPT Range @ Operating Voltage	30-300 VDC (30V-60V with battery)
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
Maximum Charge Current	80A
PHYSICAL	
Dimension, D x W x H (mm)	90 x 288 x 357
Net Weight (kgs)	6.5
Communication Interface	RS-232
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C