



# XAVIER 1.5KW 3KW

**PURE SINE WAVE SOLAR MPPT BASED INVERTER**  
**PV - 2500**  
**PV - 3000**

## PRODUCT KEY FEATURES

- 👑 Pure sine wave solar MPPT based inverter
- 👑 Easy installation, one battery 12VDC (1.5KW)
- 👑 Wide PV input voltage range starts from 30VDC
- 👑 Built-in anti-dust kit
- 👑 Built-in 80A/100A MPPT solar charger (1.5/3KW)
- 👑 Battery equalization function to optimize battery performance and extend life cycle
- 👑 Output power factor 1
- 👑 2.5" LCD with touch pad
- 👑 Battery independent design
- 👑 Built-in Wi-fi (3KW)



**BMS**  
Battery Management System for 3KW



**VDC Range**  
30~400



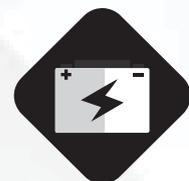
**Max Efficiency**  
93%



**LCD with Touch Pad**



**Anti Dust Kit**



**Works Without Battery**

## Technical Data

MODEL NAME	XAVIER-1.5KW-PF1	XAVIER-3KW-PF1
<b>RATED POWER</b>	<b>1500VA/1500W</b>	<b>3000VA/3000W</b>
<b>INPUT</b>		
Voltage	230VAC	
Selectable voltage range	170 ~ 280VAC (for personal computers)	
	90 ~ 280VAC (for home appliances)	
Frequency range	50 Hz / 60 Hz (auto sensing)	
<b>OUTPUT</b>		
AC voltage regulation (batt. mode)	230VAC ± 5%	
Output power	1500W with PV & battery 1200W with battery only	3000W
Surge power	2400VA	6000VA
Efficiency (peak)	93%	
Transfer time	10ms (for personal computers)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery voltage	12VDC	24VDC
Floating charge voltage	13.5VDC	27VDC
Overcharge protection	16VDC	32VDC
Battery type	Lithium / Lead-acid	Lithium / Lead-acid
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar charger type	MPPT	MPPT
Max. PV array open circuit voltage	400VDC	450VDC
Max. PV array power	2500W	3000W
MPPT range @ operating voltage	30 ~ 400VDC (30V ~ 60V with battery)	60 ~ 400VDC
Max. solar charge current	80A	100A
Max. AC charge current	80A	80A
Max. charge current	80A	100A
<b>GENERAL SPECIFICATION</b>		
Dimension, D*W*H (mm)	90*288*357	100*288*390
Net weight (Kgs)	6.6	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	

Product specifications are subject to change without further notice.