

# Technical guide



## FLASH RBAM Plus 3KVA Inverter

- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage ranges for home appliances and personal computers
- Selectable charging current based on applications
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance

Model	FLASH RBAM plus 3K-24
<b>RATED POWER</b>	3000VA/2400W
<b>INPUT</b>	
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)
<b>OUTPUT</b>	
<b>AC Voltage Regulation (Batt. Mode)</b>	230VAC $\pm$ 5%
<b>Surge Power</b>	6000VA
<b>Efficiency (Peak)</b>	90% - 93%
<b>Transfer Time</b>	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
<b>Waveform</b>	Pure sine wave
<b>BATTERY &amp; CHARGER</b>	
<b>Battery Voltage</b>	24 VDC
<b>Floating Charge Voltage</b>	27 VDC
<b>Overcharge Protection</b>	31 VDC
<b>SOLAR CHARGER</b>	
<b>Maximum PV Array Power</b>	1500 W
<b>MPPT Range @ Operating Voltage</b>	30~115VDC
<b>Maximum PV Array Open Circuit Voltage</b>	145 VDC
<b>Standby Power Consumption</b>	2 W
<b>PHYSICAL</b>	
<b>Dimension, D x W x H (mm)</b>	140 x 295 x 479
<b>Net Weight (kgs)</b>	11.5
<b>OPERATING ENVIRONMENT</b>	
<b>Humidity</b>	5% to 95% Relative Humidity(Non-condensing)
<b>Operating Temperature</b>	0°C to 55°C D
<b>Storage Temperature</b>	-15°C to 60°C

\*Product specifications are subject to change without further notice.