

Technical guide



FLASH RBAM 1KVA-5KVA 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
- Cold start function
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Optional remote Control Panel available

Model	FLASH RBM 2K-24	FLASH RBM 3K-48	FLASH RBM 4K	FLASH RBM 5K
RATED POWER	2000VA/1600W	3000VA/2400W	4000VA/3200W	5000VA/4000W
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%			
Surge Power	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	93%			
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC	48 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	54 VDC	
Overcharge Protection	31 VDC	62 VDC	60 VDC	
SOLAR CHARGER				
Maximum PV Array Power	600 W	900 W	3000 W	
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	60VDC ~ 88VDC	60VDC ~115VDC	
Maximum PV Array Open Circuit Voltage	75VDC	102VDC	145VDC	
Maximum Solar Charge Current	25A	18A	60A	
Standby Power Consumption	2 W			
PHYSICAL				
Dimension, D x W x H (mm)	100 x 272 x 355		140 x 295 x 468	
Net Weight (kgs)	7.0	7.4	11	
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	0°C - 55°C			
Storage Temperature	-15°C - 60°C			

*Product specifications are subject to change without further notice.