

Technical guide



FLASH RB 1KVA-5KVA Inverter technical guide

- Pure sine wave inverter
- Selectable input voltage ranges for home appliances and personal computers
- Parallel operation with up to 6 units only available for 4KVA/5KVA
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optical Remote Control Panel available

Model	FLASH RBA 1K	FLASH RBA 2K	FLASH RBA 3K	FLASH RBA 4K	FLASH RBA 5K
RATED POWER	1000VA / 800W	2000VA/1600W	3000VA / 2400W	4000VA / 3200W	5000VA / 4000W
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA
Efficiency (Peak)	90%	93%			
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	12 VDC	24 VDC		48 VDC	
Floating Charge Voltage	13.5 VDC	27 VDC		54 VDC	
Overcharge Protection	15 VDC	30 VDC		60 VDC	
SOLAR CHARGER					
Maximum PV Array Open Circuit Voltage	40VDC	60VDC		105VDC	
Standby Power Consumption	1 W	2 W		2 W	
Maximum Solar Charge Current	50A	50A		50A	
PHYSICAL					
Dimension, D x W x H (mm)	95 x 240 x 316	100 x 272 x 355		120 x 295 x 468	
Net Weight (kgs)	5.0	6.4	6.9	9.8	9.8
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