



Dimensions:260(L)x130(W)x130(H)mm

Features:

- Build-in fan cooled
- Buil-in battery refresh program
- 3 - year warranty
- Temperature compensation
- Overvoltage protection
- adjustable charging/discharging current
- Ovrload protection
- Short circuit protection
- Smart charging control
- Reverse polarity protection

General Specifications

INPUT

Input voltage.....100~240VAC
 Input frequency47~400Hz
 Inrush current22A/110VAC
 (Cold start) 44A/220VAC




OUTPUT

Temp. Coefficient± 0.02% / °C
 Overvoltage protectionAutorecovery
 Overload protection Power limited
 Short circuit protection..... Autorecovery
 Transient response. .. (Load change 50% to 100%)
 Voltage deviation5%
 Recovery time500uS

EMC STANDARDS

EN 55011	Class B
EN 55022	Class B
EN 61000-4-2	Level 3
EN 61000-4-3	Level 3
EN 61000-4-4	Level 3
EN 61000-4-5	Level 3
EN 61000-4-6	Level 3
EN 61000-4-8	Level 3
EN 61000-4-11	Level 3

SAFETY STANDARDS

	EN 60950 (Certificated)
	UL 60950 (Meet)
	CSA 22.2 (Meet)

ENVIRONMENTAL

Operating temperature: -20°C ~ 50°C ambient, derating each output at 2.5% per degree from 50°C to 70°C
Operating humidity: Non-condensing, 5% ~ 95%RH.
Vibration: Random vibration, 10Hz ~ 2KHz, 3axis.
MTBF: 150,000hrs Min. Per MIL-HDBK-217F, 25°C GB.
Temperature coefficient: ±0.04% / °C

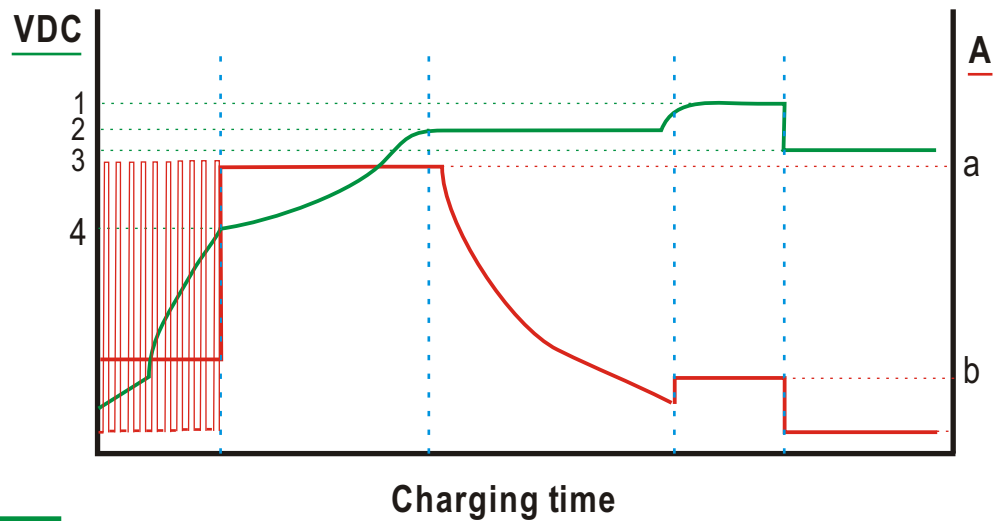
Output Specifications

Model	Charging voltage Boost	Charging voltage Float	Charging current (A)	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
BM-001	14.7VDC	13.8VDC	6A Max.	±1%	±1%	80%	15~17VDC
BM-002	29.4VDC	27.6VDC	3A Max.	±1%	±1%	81%	32~35VDC
BM-003	44.1VDC	41.4VDC	2A Max.	±1%	±1%	81%	48~52VDC

- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
 2. Load regulation is measured from 20% to 100% of rated load at 110VAC input.
 3. Efficiency is measured at rated load and 110VAC input.

Mechanical Details

Code \ Type	12V	24V	36V
a (A)	6	3	2
b (A)	0.6	0.6	0.6
1 (VDC)	16.5	33	49.5
2 (VDC)	14.7	29.6	44.1
3 (VDC)	13.8	27.6	41.4
4 (VDC)	8	16	24



Mechanical Details