



Dimensions:175(L)x88(W)x50.5(H)mm

Features:

- Build-in fan cooled
- RoHS compliance
- 3 - year warranty
- Temperature compensation
- Overvoltage protection
- Low voltage protection
- Ovrload protection
- Short circuit protection
- Smart charging control
- Reverse polarity protection
- Charging time termination

General Specifications

INPUT

Input voltage.....	100~240VAC
Input frequency	47~400Hz
Inrush current	22A/110VAC
(Cold start)	44A/220VAC




OUTPUT

Temp. Coefficient	± 0.04% / °C
Overvoltage protection	Autorecovery
Overload protection	Power limited
Short circuit protection.....	Autorecovery
Transient response. . . (Load change 50% to 100%)	
Voltage deviation	5%
Recovery time	500uS

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.

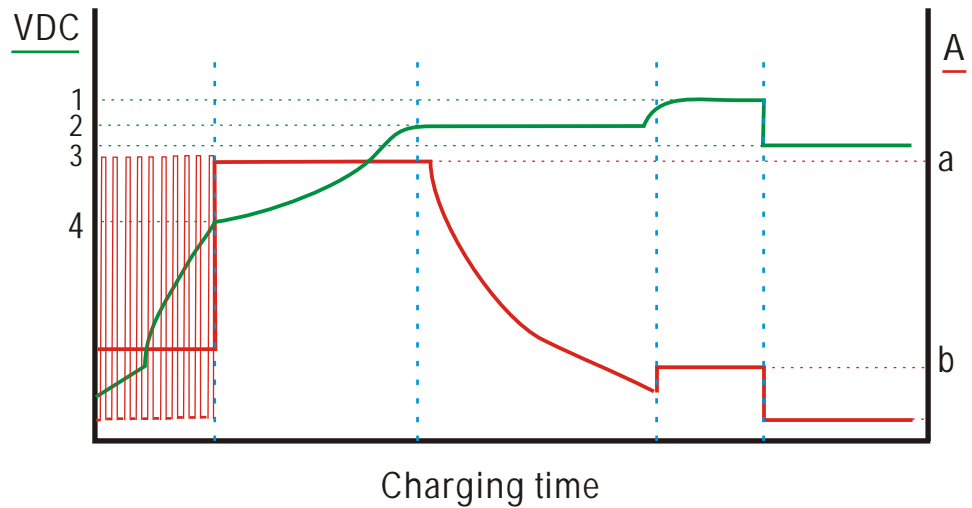
Output Specifications

Model	Charging voltage Boost	Charging voltage Float	Charging current (A)	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
CB09A12A	14.7VDC	13.8VDC	6A Max.	± 1%	±1%	80%	16~19VDC
CB09A24A	29.4VDC	27.6VDC	3A Max.	± 1%	±1%	81%	32~35VDC
CB09A36A	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.

Charging Curve

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

