

# AE1150CFA Series

## 150Watts, Lead-Acid Battery Charger



### Features:

- Build-in fan cooled
- RoHS compliance
- 3 - year warranty
- Over voltage protection
- Over current protection
- Short circuit protection
- 3-stage charging control
- Reverse polarity protection

Dimensions:188(L)x95(W)x52(H)mm

## General Specifications

### INPUT

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

### 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

### OUTPUT

Temp. Coefficient .....± 0.04% / °C  
 Overvoltage protection .....Autorecovery  
 Overload protection ..... Current limited  
 Short circuit protection..... Autorecovery  
 Transient response. .. (Load change 50% to 100%)  
     Voltage deviation .....5%  
     Recovery time .....2mS

### SAFETY STANDARDS



EN 60950 (Marking)  
 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: 80,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

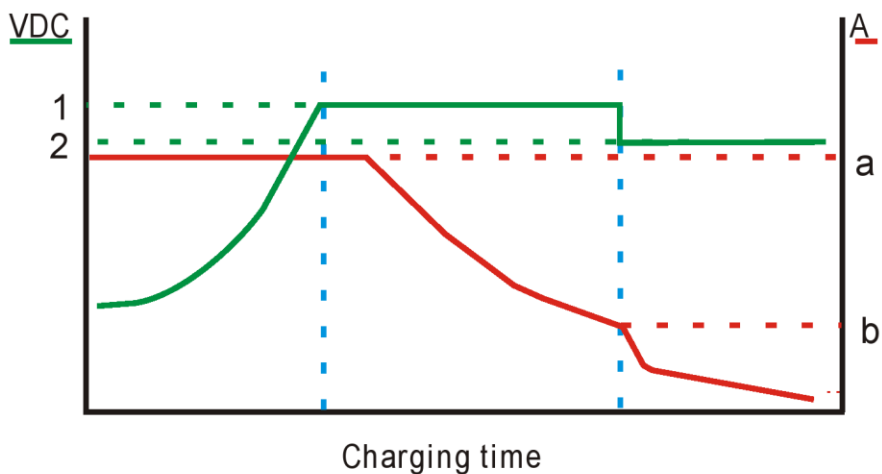
## Output Specifications

Model	Charging voltage		Charging current (A)	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
	Boost	Float					
AE1150C-12FA	14.7VDC	13.8VDC	10A Max.	±1%	±1%	82%	15~17VDC
AE1150C-24FA	29.4VDC	27.6VDC	5A Max.	±1%	±1%	83%	32~35VDC
AE1150C-36FA	44.1VDC	41.4VDC	3.4A Max.	±1%	±1%	84%	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)	8	4	3
b (A)	0.6	0.6	0.6
1 (VDC)	14.7	29.6	44.1
2 (VDC)	13.8	27.6	41.4



## Mechanical Details

