



Dimensions: 150(L)x153(W)x59(H)mm

### Features:

- Convection cooled
- RoHS compliance
- 3 - year warranty
- Over voltage protection
- Over current protection
- Short circuit protection
- 3-stage charging control
- Reverse polarity protection
- Sparkle free design

## General Specifications

### INPUT

Input voltage.....100~240VAC/120~370VDC  
Input frequency .....47~63Hz  
Inrush current .....22A/115VAC  
(Cold start) . . . . . 44A/230VAC

### OUTPUT

Temp. Coefficient ..... $\pm 0.04\%$  / °C  
Over voltage protection .....Autorecovery  
Overload protection ..... Current limited  
Short circuit protection..... Autorecovery

### 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 (Meet)



UL 1012 (Meet)

### ENVIRONMENTAL

*Operating temperature:* -20°C ~ 40°C ambient, derating each output at 2.5% per degree from 40°C to 60°C  
*Operating humidity:* Non-condensing, 5% ~ 95%RH.  
*Vibration:* Random vibration, 10Hz ~ 100Hz, 3axis.  
*MTBF:* 60,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

# AE1150CFB Series

150Watts, Lead-Acid battery charger

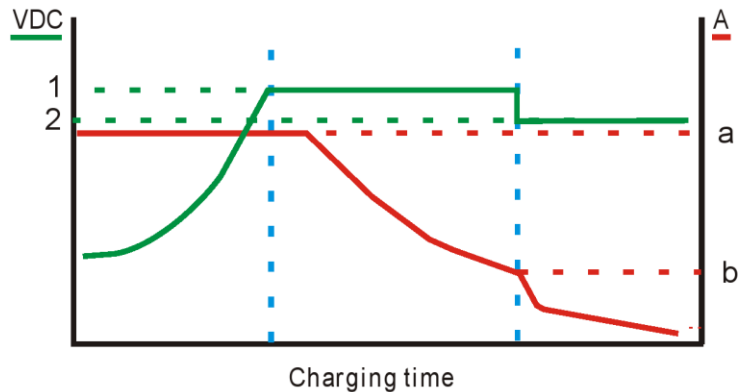
## Output Specifications

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	3.5A Max.	±1%	±1%	84%	48~52VDC

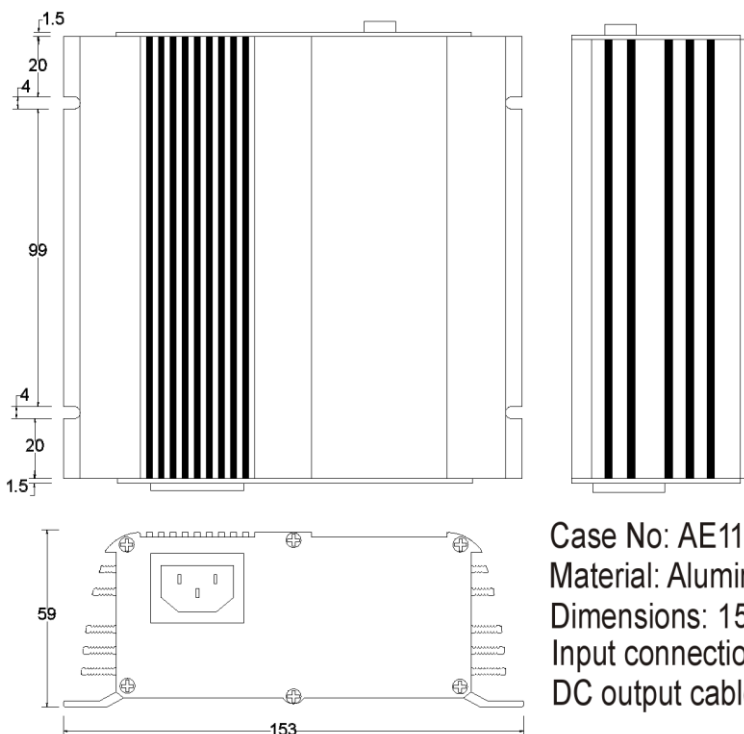
- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
  2. Load regulation is measured from 20% to 100% of rated load at 230VAC input.
  3. Efficiency is measured at rated load and 230VAC input.

## Charging curve

Code \ Type	12V	24V	36V
a (A)	10.0	5.0	3.5
b (A)	0.6	0.6	0.6
1 (VDC)	14.7	29.4	44.1
2 (VDC)	13.8	27.6	41.4



## Mechanical Details



Case No: AE1150C  
 Material: Aluminum (Extrusion)  
 Dimensions: 150(L)x153(W)x59(H)mm  
 Input connection: IEC320 C14 socket  
 DC output cable: 1.2m, 14 AWGx2 + alligator clip