



Dimensions: 175(L)x88(W)x55.5(H)mm

Features:

- Universal AC input
- RoHS compliance
- 3 - year warranty
- Over voltage protection
- Built-in fan cooled
- Over current protection
- Short circuit protection
- Reverse polarity protection
- Smart charging control by built-in MCU

General Specifications

INPUT

Input voltage.....100~240VAC/120~370VDC
 Input frequency47~63Hz
 Inrush current22A/115VAC
 (Cold start) 44A/230VAC

OUTPUT

Temp. Coefficient±0.04% / °C
 Over voltage protectionAutorecovery
 Over current 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, 3axise.

MTBF: 60,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

AE1150CFC Series

150Watts, Lead-acid battery charger

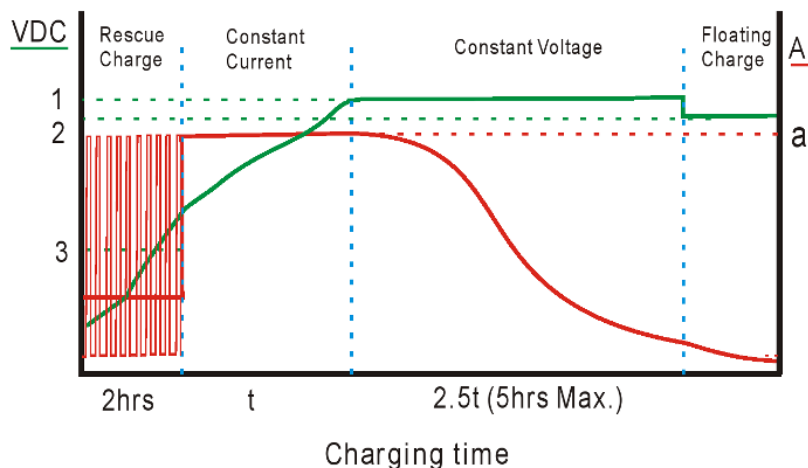
Output Specifications

Model	Charging voltage		Charging current (A)	Line Reg.	Load Reg.	Efficiency	Over voltage Protection
	Boost	Float					
AE1150C-12FC	14.7VDC	13.6VDC	10.0A Max.	±1%	±1%	81%	18~22VDC
AE1150C-24FC	29.4VDC	27.2VDC	5.0A Max.	±1%	±1%	82%	33~37VDC
AE1150C-36FC	44.1VDC	40.8VDC	3.5A Max.	±1%	±1%	84%	47~51VDC
AE1150C-48FC	58.8VDC	54.4VDC	2.5A Max.	±1%	±1%	85%	63~67VDC

- 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

Type Code	12V	24V	36V	48V
a (A)	10.0	5.0	3.5	2.5
1 (VDC)	14.7	29.4	44.1	58.8
2 (VDC)	13.6	27.2	40.8	54.4
3 (VDC)	8.0	16	24	32



Mechanical Details

