Acro Engineering Incorporation

AE1150CFA Series

150Watts, Lead-Acid Battery Charger

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

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
- Sparkle free design

General Specifications

INPUT

Input voltage.....100~240VAC/120~370VDC
Input frequency .....47~400Hz
Inrush current 22A/115VAC
(Cold start) . . 44A/230VAC

OUTPUT

Temp. Coefficient .....±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

CE — EN 60950 (Meet)

c UL us LISTED — UL 60335 (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 ~ 100Hz, 3axise.
MTBF: 60,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

Web site : http://acro-powers.com.tw
E-mail : service@acro-powers.com.tw
TEL : 886-2-22675015, FAX : 886-2-22674939

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Output Specifications

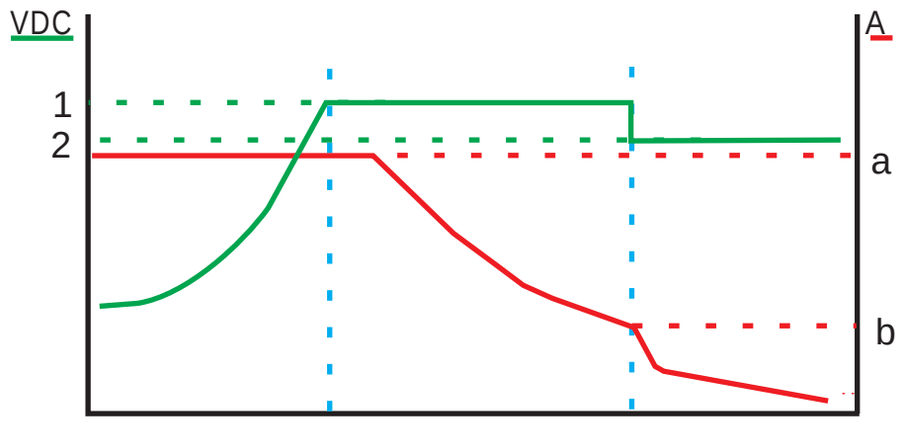
Model	Charging voltage Boost	Float	Charging current (A)	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
AE1150C-12FA	14.7VDC	13.8VDC	12.5A Max.	±1%	±1%	82%	15~17VDC
AE1150C-24FA	29.4VDC	27.6VDC	6.5A Max.	±1%	±1%	83%	32~35VDC
AE1150C-36FA	44.1VDC	41.4VDC	4.0A Max.	±1%	±1%	84%	48~52VDC

NOTE:

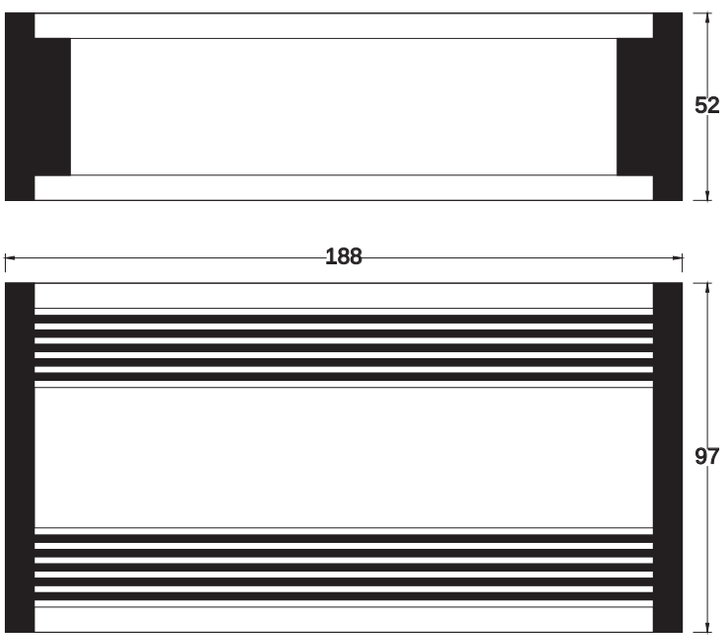
1. Line regulation is measured from low line to high line at rated load.
2. Load regulation is measured from 20% to 100% of rated load at 230VAC input.
3. Efficiency is measured at rated load and 230VAC input.

Charging curve

Type / Code	12V	24V	36V
a (A)	12.5	6.5	4.0
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



Dimensions: 188(L)x95(W)x52(H)mm
Input connection: IEC320 C14 socket
Output cable: 1.2m 14AWGx2 + alligator clip

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