

3 Stage - 12 volt - 5 amp Lead Acid Battery Charger

60Watts, Lead-Acid battery charger



Dimensions:147(L)x74(W)x47(H)mm

Features:

- Universal AC input
- RoHS compliance
- 3 - year warranty
- Overvoltage protection
- Convection cooled
- Overcurrent protection
- Short circuit protection
- 3-stage charging control
- Reverse polarity protection

General Specifications

INPUT

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

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

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.

OUTPUT

Temp. Coefficient	± 0.04% / °C
Overvoltage protection	Autorecovery
Over current 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)

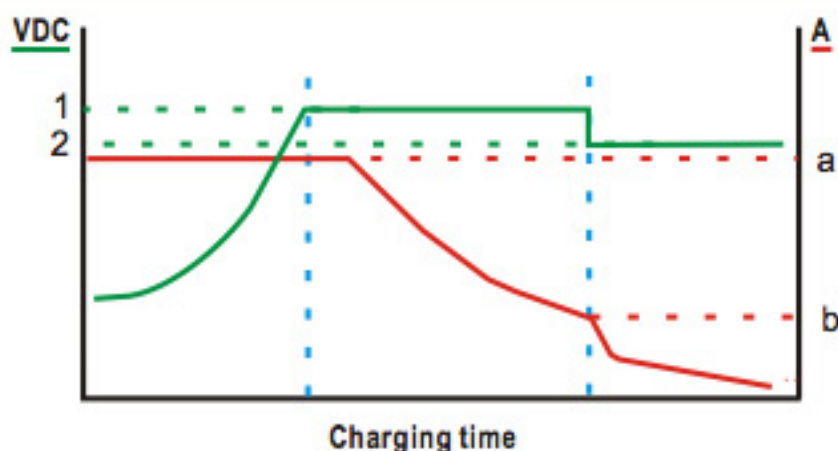
Output Specifications

Model	Charging voltage Boost	Charging voltage Float	Charging current (A)	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
AE1060C-12F	14.7VDC	13.8VDC	5A Max.	± 1%	± 1%	84%	15~17VDC
AE1060C-24F	29.4VDC	27.6VDC	2.5A Max.	± 1%	± 1%	85%	32~35VDC

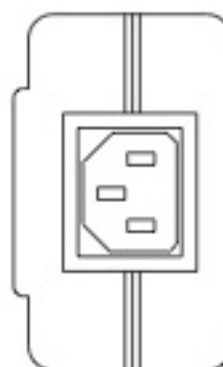
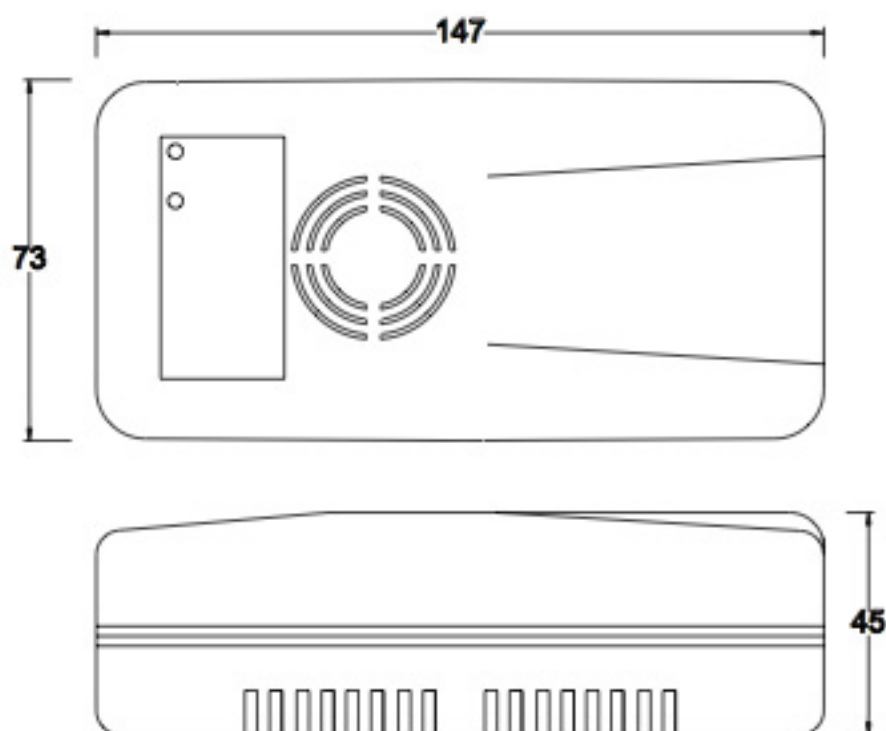
- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
 2. Load regulation is measured from 20% to 100% of rated load at 230VAC input.
 3. Efficiency is measured at rated load and 230VAC input.

Charging curve

Code \ Type	12V	24V
a (A)	5	2.5
b (A)	0.6	0.6
1 (VDC)	14.7	29.4
2 (VDC)	13.8	27.6



Mechanical Details



Unit: mm
Dimensions: 147x73x45mm