

Features:



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

- Universal AC input
- RoHS compliance
- 3 - year warranty
- Over voltage protection
- Convection cooled
- Over current protection
- Short circuit protection
- 3-stage charging control
- Reverse polarity protection

General Specifications

INPUT

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



OUTPUT

Temp. Coefficient± 0.04% / °C
 Overvoltage protectionAutorecovery
 Over current protection Current limited
 Short circuit protection..... Autorecovery
 Transient response. .. (Load change 50% to 100%)
 Voltage deviation5%
 Recovery time2mS

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 60335 (Marking)
	UL 60335 (Meet) CSA 22.2 (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.

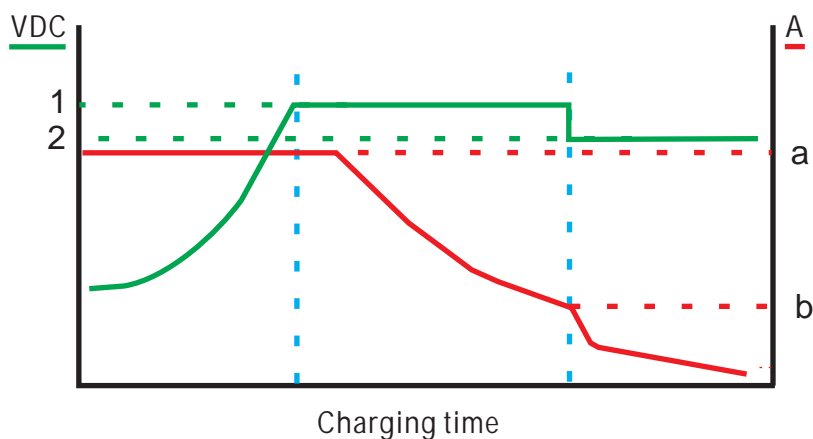
Output Specifications

Model	Charging voltage Boost	Float	Charging current (A)	Line Reg.	Load Reg.	Efficiency	Over voltage 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

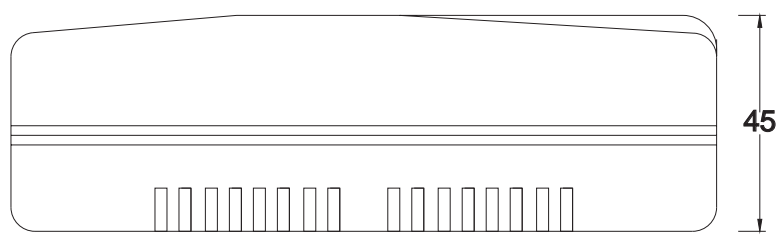
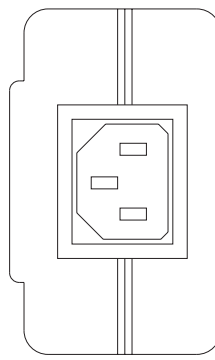
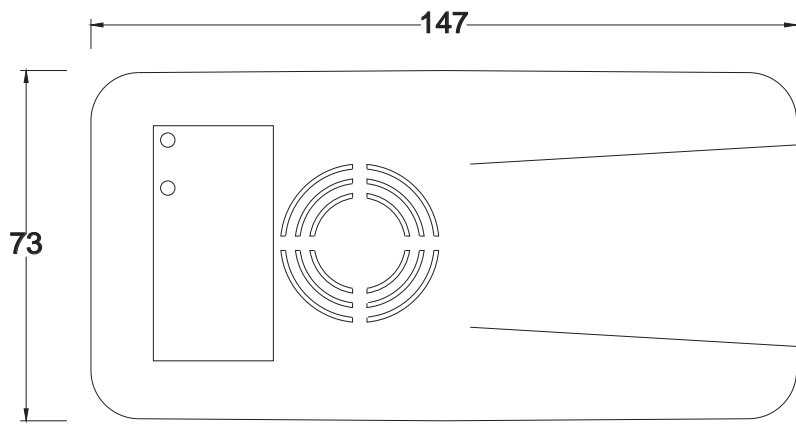
- NOTE:**
1. Line regulation is measured from low line to high line at rated load.
 2. Load regulation is measured from 20% to 100% of rated load at 230VAC input.
 3. Efficiency is measured at rated load and 230VAC input.

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