



Dimensions:230(L)x102(W)x65(H)mm

Features:

- Wide AC input range
- RoHS compliance
- 3 - year warranty
- Built-in cooling fan
- Over voltage protection
- Over current protection
- Short circuit protection
- Smart charging control built-in MCU
- Reverse polarity protection
- Sparkle free design

General Specifications

INPUT

Input voltage.....115/230VAC±15%
 Input frequency47~63Hz
 Inrush current22A/115VAC
 (Cold start) 44A/230VAC

OUTPUT

Temp. Coefficient± 0.04% / °C
 Overvoltage protectionAutorecovery
 Over current protection Current limited
 Short circuit protection..... Shutdown
 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 (Meet)



UL 60335 (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.

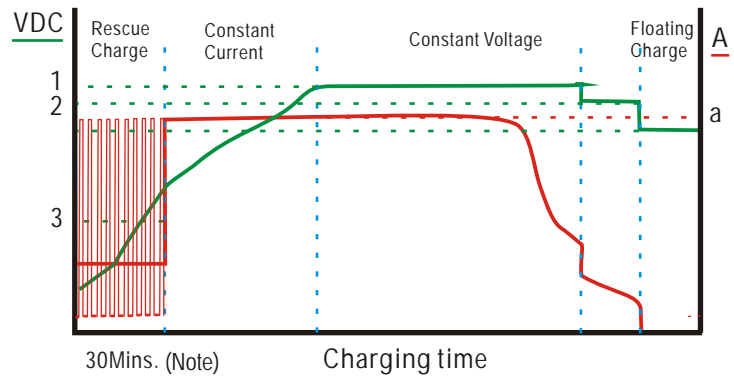
Output Specifications

Model	Charging voltage Boost	Charging voltage Float	Charging current (A)	Line Reg.	Load Reg.	Efficiency	Over voltage Protection
AE1500C-24S	29.4VDC	27.6VDC	20A Max.	± 1%	± 1%	84%	32~35VDC
AE1500C-48S	58.8VDC	55.2VDC	10A Max.	± 1%	± 1%	84%	62~70VDC

- 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.

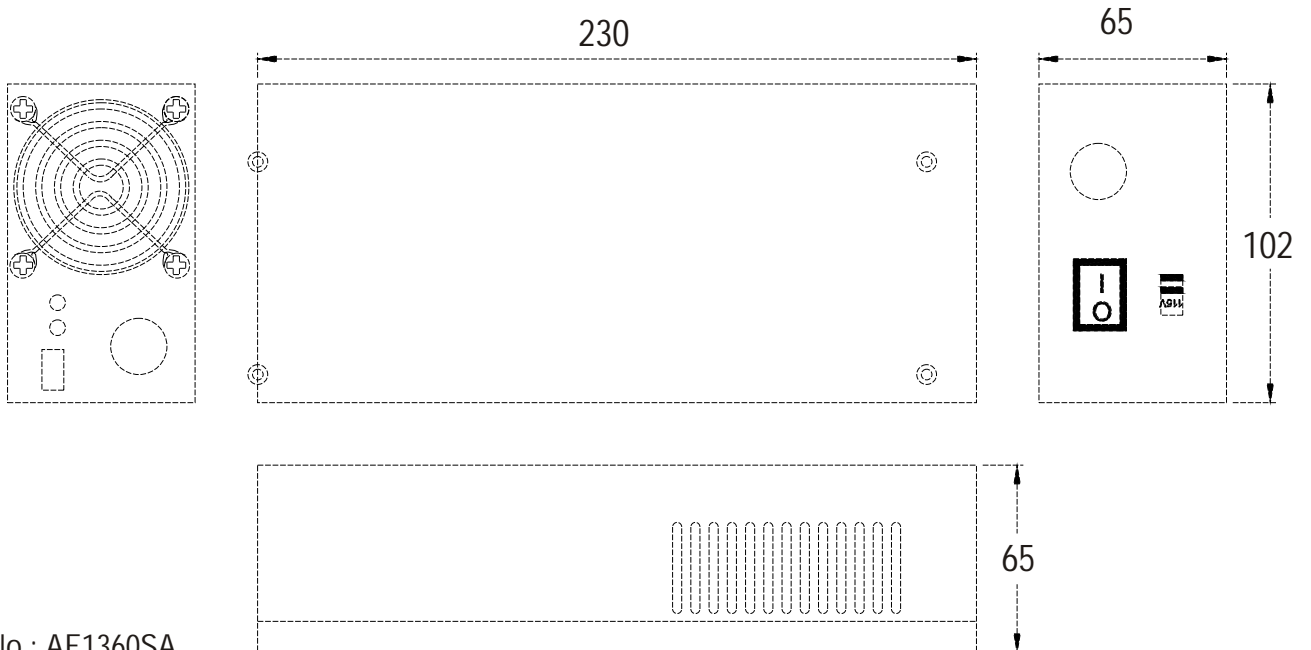
Charging curve

Code	Type	24V	
		24V	24V
a (A)		20	10
b (A)		0.6	0.6
1 (VDC)		29.4	58.8
2 (VDC)		27.6	55.2



Mechanical Details

Note: This phase is only executed if the battery voltage is less than 1.9 volts/cell.



Case No.: AE1360SA
 Material: Aluminum
 Dimensions: 230(L)x102(W)x65(H)mm
 Input Cable: 1.5m power cord
 DC output cable: 1.2m, 14 AWGx2 + alligator clip