



Dimensions: 160(L)x95(W)x38(H)mm

**Features:**

- High power density
- Universal input range
- Convection cooled
- 2 - year warranty
- Multiple mounting solution
- Over voltage protection
- Overload protection
- Short circuit protection
- Battery reverse polarity protection

**General Specifications**

**INPUT**

Input voltage.....100~240VAC  
 Input frequency .....47~400Hz  
 Inrush current .....22A/110VAC  
 (Cold start) . . . . . 44A/220VAC

**EMC STANDARDS**

EN 55011	Class A
EN 55022	Class A
EN61000-3-2	Class A
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 ~ 45°C ambient, derating each output at 2.5% per degree from 45°C to 60°C  
**Operating humidity:** Non-condensing, 5% ~ 95%RH.  
**Vibration:** Random vibration, 10Hz ~ 2KHz, 3axise.  
**MTBF:** 100,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

**OUTPUT**

Hold-up time (Full load@230VAC).....16mS Min.  
 Temp. Coefficient .....±0.04% / °C  
 Overvoltage protection .....Autorecovery  
 Overload protection ..... Power limited  
 Short circuit protection..... Autorecovery  
 Transient response. .. (Load change 50% to 100%)  
 Voltage deviation .....5%  
 Recovery time .....2mS

**SAFETY STANDARDS**



EN 60950 (Meet)

UL 60950 (Meet)

## Output Specifications

Model	O/P voltage Adjustment	Loading (A)			Ripple Noise	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
		Min.	Rated	Max.					
AE2060C5F	+13.8VDC±10%	0A	4.0A	4.0A	150mVp-p	± 1%	± 1%	78%	17~21VDC
	+13.4VDC ----	0A	0.23A	0.23A	200mVp-p	± 3%	-----		

Back-up functions:

1. Back-up: External battery supply back-up power source to DC output while AC failed.
2. Battery low voltage protection: For protect battery over-discharge and system stable, AE2060C5F will cut off battery source while battery voltage under 10.5V.
3. Alarm Signal: 1A relay dry contact, Short while AC supplying and open while AC failed.

- NOTE:**
1. Each output can supply up to maximum current, but total loading can not exceed rated output wattage.
  2. Line regulation is measured from low line to high line at rated load.
  3. Load regulation is measured from 20% to 100% of rated load at 230VAC input.
  4. Ripple & Noise is measured by using a 0.1uF/630V metalized capacitor & a 47uF electrolytic capacitor parallel on the test point, at rated load and 230VAC input.
  5. Efficiency is measured at rated load and 230VAC input.

## Mechanical Details

