



Dimensions:99(L)x97(W)x35(H)mm

**Features:**

- High power density
- Universal input range
- Convection cooled
- RoHS compliance
- 3 - year warranty
- Great reliability
- Multiple mounting solution
- Various I/O solution for customer's application
- Overvoltage protection
- Overload protection
- Short circuit protection

**General Specifications**

**INPUT**

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

**OUTPUT**

Hold-up time (Full load@110VAC).....16mS Min.  
 Temp. Coefficient .....±0.02% / °C  
 Overvoltage protection .....Autorecovery  
 Overload protection ..... Power limited  
 Short circuit protection..... Autorecovery  
 Transient response. .. (Load change 50% to 100%)  
 Voltage deviation .....5%  
 Recovery time .....500uS

**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 60950 (Marking))
	UL 60950 (Meet)
	CSA 22.2 (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 ~ 2KHz, 3axis.  
**MTBF:** 150,000hrs Min. Per MIL-HDBK-217F, 25°C GB.  
**Temperature coefficient:** ±0.04% / °C

# AE1040 Series

40Watts, Single Output

## Output Specifications

Model	O/P voltage Adjustment	Loading (A)			Ripple Noise	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
		Min.	Rated	Max.					
AE1040-03F	+3VDC±10%	0A	13A	13A	50mVp-p	±1%	±1%	75%	5~6VDC
AE1040-05F	+5VDC±10%	0A	8A	8A	50mVp-p	±1%	±1%	78%	6~7VDC
AE1040-08F	+8VDC±10%	0A	5A	5A	80mVp-p	±1%	±1%	78%	11~13VDC
AE1040-12F	+12VDC±10%	0A	3.3A	3.3A	100mVp-p	±1%	±1%	80%	15~17VDC
AE1040-15F	+15VDC±10%	0A	2.7A	2.7A	150mVp-p	±1%	±1%	80%	18~20VDC
AE1040-24F	+24VDC±10%	0A	1.7A	1.7A	150mVp-p	±1%	±1%	80%	27~30VDC
AE1040-48F	+48VDC±10%	0A	0.8A	0.8A	150mVp-p	±1%	±1%	80%	52~57VDC

- 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 110VAC 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 110VAC input.
  5. Efficiency is measured at rated load and 110VAC input.
  6. Hold-up time is measured at rated load and 110VAC input.

## Mechanical Details

