

AD1100MF Series
100Watts, Single Output, High Peak Current



Dimensions:121(L)x110(W)x56(H)mm

Features:

- High power density
- Universal input range
- Convection cooled
- RoHS compliance
- 3 - year warranty
- DIN rail / Wall bracket mounting solution
- Over voltage protection
- Overload protection
- Short circuit protection
- Built-in O-ring diode
- Built-in CEMF damper
- High peak current (2 times of rated current)

General Specifications

INPUT

Input voltage.....100~240VAC/120~370VDC
 Input frequency47~63Hz
 Inrush current22A/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

OUTPUT

Hold-up time (Full load@230VAC).....20mS Min.
 Temp. Coefficient±0.04% / °C
 Over voltage protectionAutorecovery
 Overload protection Power limited
 Short circuit protection..... Autorecovery
 Transient response. .. (Load change 50% to 100%)
 Voltage deviation10%
 Recovery time10mS

SAFETY STANDARDS

	EN 60950 (Marking)
	UL 508 (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 ~ 100Hz, 3axis.
 MTBF: 60,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

Output Specifications

Model	O/P voltage Adjustment	Loading (A)			Ripple Noise	Line Reg.	Load Reg.	Efficiency	Over voltage Protection
		Min.	Rated	Peak					
AD1100M-24F	+24VDC±10%	0A	4A	8A	150mVp-p	±1%	±2%	80%	27~30VDC
AD1100M-48F	+48VDC±10%	0A	2A	4A	250mVp-p	±1%	±2%	80%	52~57VDC
AD1100M-72F	+72VDC±10%	0A	1.4A	2.8A	500mVp-p	±1%	±2%	80%	85~95VDC

- 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

Case No.: AD072
 Dimensions: 121(D)x110(H)x56(W)mm

