

Acro Engineering Incorporation

AD1048F Series 40~60Watts, Single Output



Dimensions: 121(D)x110(W)x40(H)mm

Features:

- High power density
- Universal input range
- Convection cooled
- RoHS compliance
- 3 - year warranty
- Great reliability
- DIN rail / Wall bracket mounting solution
- Optional alarm signal / Redundant function
- Over voltage protection
- Overload protection
- Short circuit protection

General Specifications

INPUT

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

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 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 60950 (Marking)



UL 508 (Certificate)
CSA 22.2 (Certificate)

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.

Web site : <http://acro-powers.com.tw>
E-mail : service@acro-powers.com.tw
TEL : 886-2-22675015, FAX : 886-2-22674939

ACRO
ENGINEERING INC.

AD1048F Series

40~48Watts, Single Output

Output Specifications

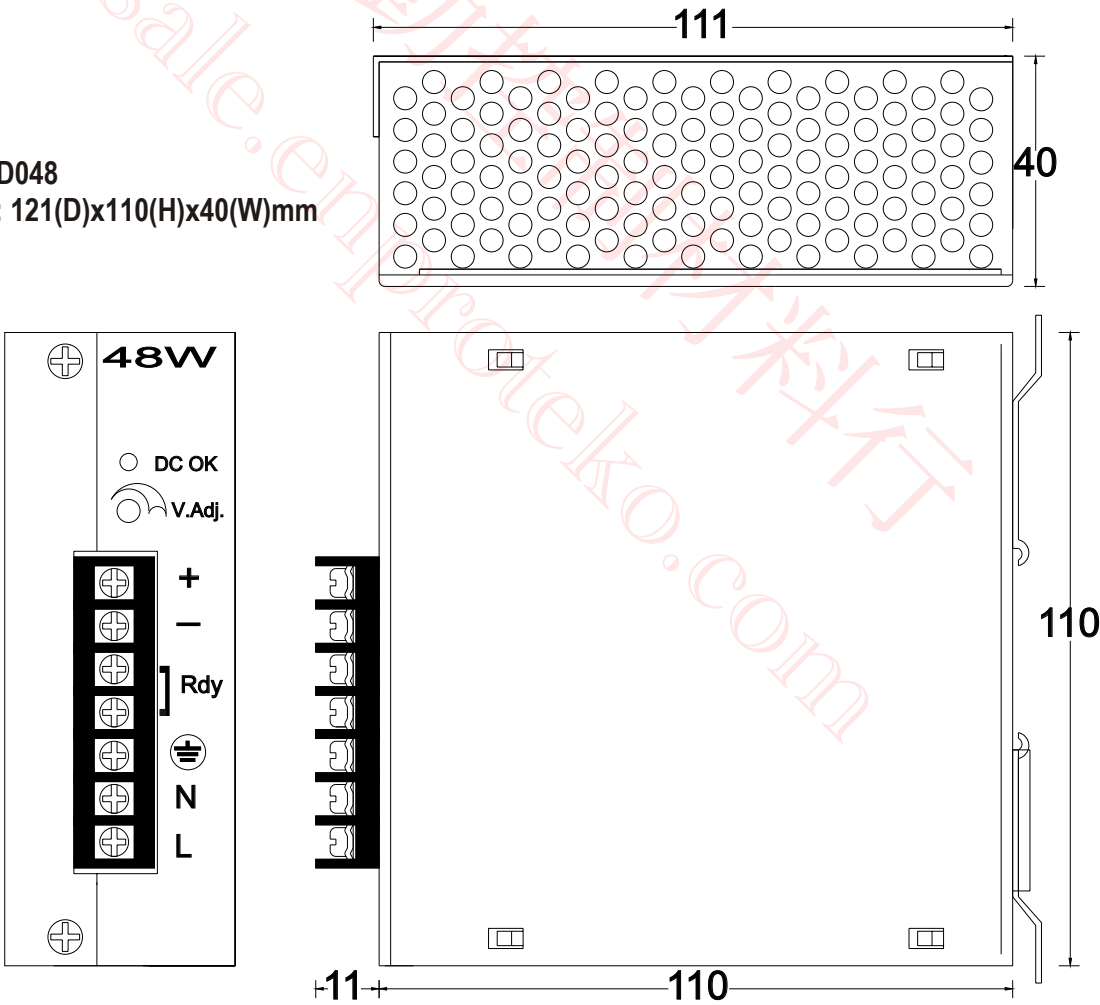
Model	O/P voltage Adjustment	Loading (A)			Ripple Noise	Line Reg.	Load Reg.	Efficiency	Over voltage Protection
		Min.	Rated	Max.					
AD1040-05F	+5VDC ±10%	0A	8A	8A	50mVp-p	± 1%	±1%	78%	6~7VDC
AD1048-12F	+12VDC ±10%	0A	4A	4A	100mVp-p	± 1%	±1%	80%	15~17VDC
AD1048-24F	+24VDC ±10%	0A	2A	2A	150mVp-p	± 1%	±1%	82%	27~30VDC
AD1048-48F	+48VDC ±10%	0A	1A	1A	250mVp-p	± 1%	±1%	82%	52~57VDC
AD1060-24F	+24VDC ±10%	0A	2.5A	2.5A	150mVp-p	± 1%	±1%	82%	27~30VDC

PS. AD1040-05F & AD1048-48F have CB & CE report only, and AD1060-24F is CE compliance.

- 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 Mo.: AD048
Dimensions: 121(D)x110(H)x40(W)mm



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