Acro Engineering Incorporation

AD1120F Series

120Watts, Single Output

Dimensions:121(D)x110(H)x75(W)mm

Features:

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

General Specifications

INPUT

Input voltage.....100~240VAC
Input frequency .....47~63Hz
Inrush current 22A/110VAC
(Cold start) . . 44A/220VAC

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
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

CE	EN 60950 (Marking)
c UL us	UL 60950 (Meet)
UL R	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, 3axise.
MTBF: 120,000hrs Min. Per MIL-HDBK-217F, 25°C GB.

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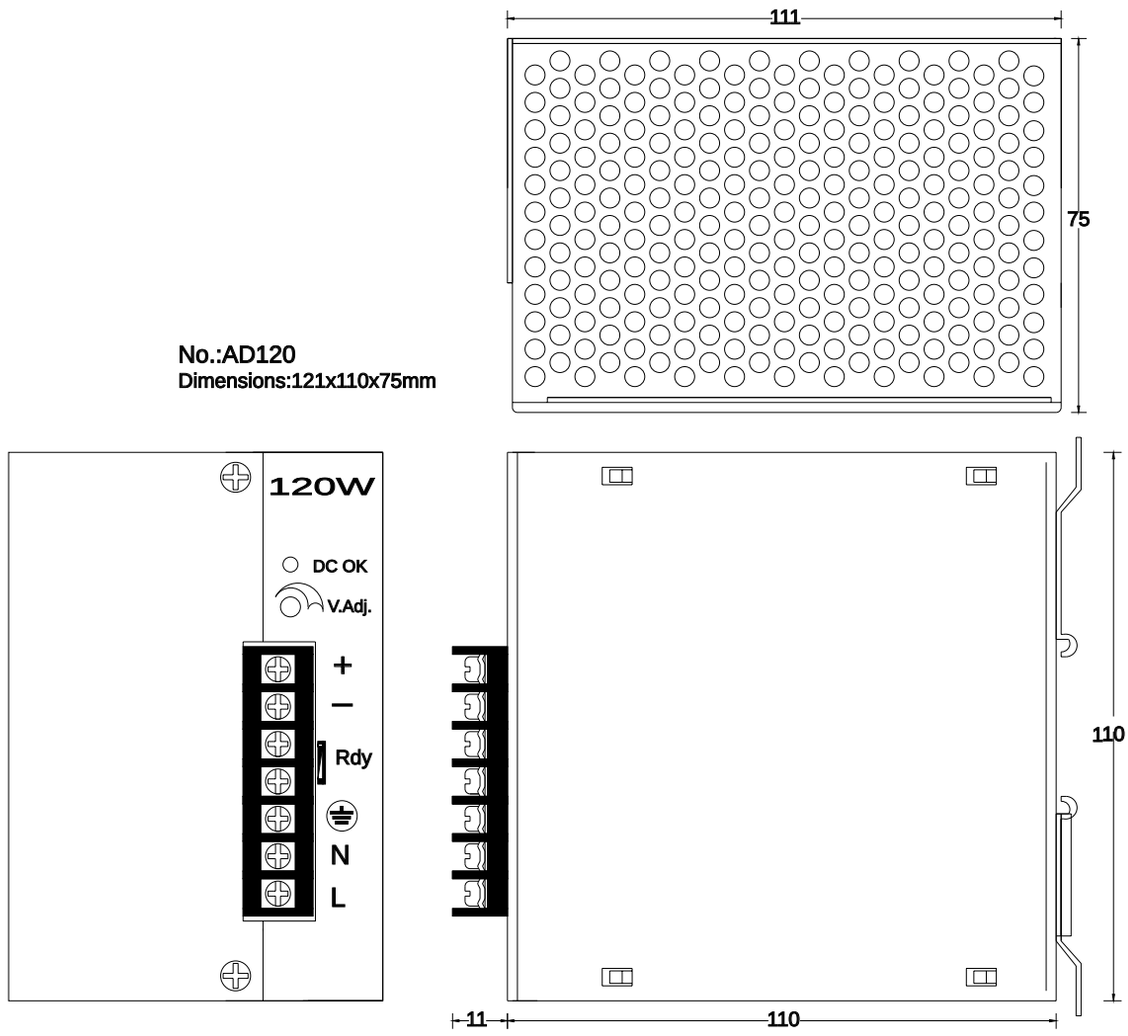
Output Specifications

Model	O/P voltage Adjustment	Loading (A) Min.	Rated	Max.	Ripple Noise	Line Reg.	Load Reg.	Efficiency	Overvoltage Protection
AD1120-12F	+12VDC±10%	0A	10A	10A	100mVp-p	±1%	±2%	78%	15~17VDC
AD1120-24F	+24VDC±10%	0A	5A	5A	150mVp-p	±1%	±1%	81%	27~30VDC
AD1120-48F	+48VDC±10%	0A	2.5A	2.5A	250mVp-p	±1%	±1%	83%	52~56VDC

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.

Mechanical Details



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