

36~48Watts, Single Output



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

Dimensions: 90(D) x74(H) x45(W) mm

General Specifications

INPUT

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

EMC STANDARDS

| Class B |
|---------|
| Class B |
| Level 3 |
| |

OUTPUT

| Hold-up time (Full load@220VAC) | 20mS Min. |
|---------------------------------------|-------------------|
| Temp. Coefficient | <u>+</u> 0.04%/°C |
| Overvoltage protection | Autorecovery |
| Overload protection | Power limited |
| Short circuit protection | Autorecovery |
| Transient response (Load change 50% t | o 100%) |
| Voltage deviation | 5% |
| Recovery time | 2mS |

SAFETY STANDARDS

| Œ | EN 60950 | (Marking)) |
|--------------------------|----------|------------|
| c _® Al | UL 60950 | (Meet) |
| A | 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: 170,000hrs Min. Per MIL-HDBK-217F, 25°C GB.



כתובתנו : רח' העבודה 7 ת.ד 525 א.ת ראש העין 48104 טל: 03-9022500 פקס: 03-9022500 http://www.avivenergy.co.il אתר חברה:

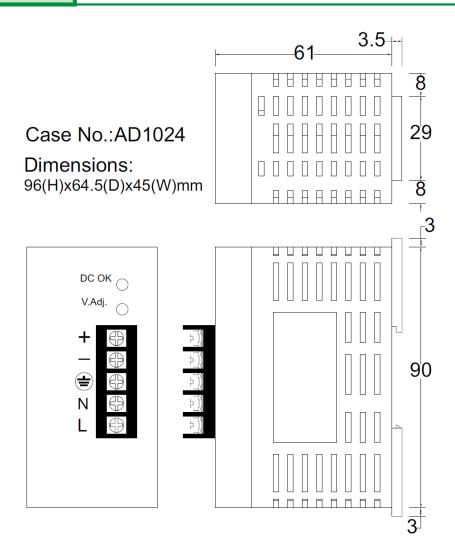
Output Specifications

| Model | O/P voltage Adjustment | L Min. | oading (Rated | A) Max. | Ripple Noise | Line Reg. | Load Reg. | Efficiency | Overvoltage Protection |
|-------------|---------------------------|-----------|-------------------|------------|-----------------|-----------|-----------|------------|---------------------------|
| AD1036-12FS | +12VDC±10% | 0A | 3A | 3A | 100mVp-p | ±1% | ±1% | 80% | 20VDC Max. |
| AD1045-15FS | +15VDC±10% | 0A | 3A | 3A | 150mVp-p | ±1% | ±1% | 81% | 20VDC Max. |
| AD1048-24FS | +24VDC ±10% | 0A | 2A | 2A | 150mVp-p | ±1% | ±1% | 83% | 40VDC Max. |
| AD1048-48FS | +48VDC ±10% | 0A | 1A | 1A | 250mVp-p | ±1% | ±1% | 83% | 60VDC Max. |

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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