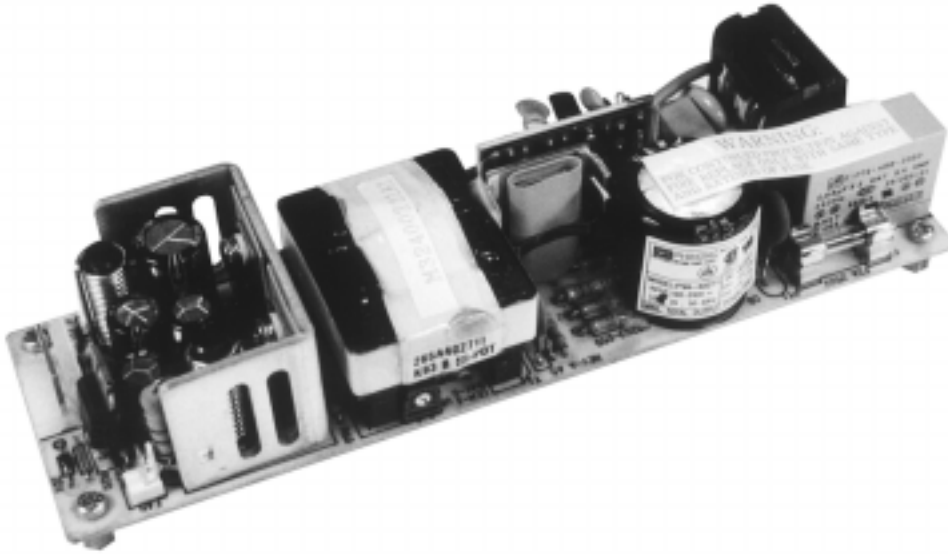


40W Universal Input Series

PSA-40 Disk Drive Power Supply



GREENPOINT

Features

- Class B EMI filter
- "Power-On" LED connector
- 100% Burn-in
- 12VDC fan connector

Applications

- Gigabyte disk drives
- CD/Optical drives
- Industrial computers
- Business machines

Safety Approvals

- UL 1950D3 (E134610)
- TUV (R9352071)
- CSA 22.2 1402C Level 3 (LR56927-104)

Mechanical Characteristics

- Dimensions:
- Length: 177.8mm (7.0in.)
 - Height: 32mm (1.25in.)
 - Width: 50.8mm (2.0in.)
 - Weight: 260gm

Output Specifications

| Model | DC Output | Load | | | Ripple (3) P-P | Regulation (4) | |
|------------|-----------|------|------|------|-------------------|----------------|------|
| | | Min. | Max. | Peak | | Line | Load |
| PSA-40-271 | +5V | 0.2A | 3A | | 50mV | +3% | +3% |
| | +12V | 0A | 2A | 4.5A | 100mV | +4% | +4% |

- (1) +5V adjustable +10% (+12 will track). Preset to 5V +2/-0% at 50% rated load.
- (2) Total peak wattage must not exceed 60 watts. The +12V peak of 4.5A is for a maximum of 30 seconds. During peak loading, the +12V regulation limits are +4/-7%.
- (3) Measured by using a 12 inch twisted pair terminated with a 10mfd capacitor and 0.1mfd ceramic capacitor in parallel with primary and secondary ground holes connected together.
- (4) Cross regulation is +5%.

ISO 9001 • BABT
Facility Approvals



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40W Universal Input Series
PSA-40 Disk Drive Power Supply

Characteristics

Ac Input Voltage
90VAC-260VAC

AC Frequency
47 to 63Hz

AC Input Current
2A maximum

AC Leakage Current
0.75mA maximum
(240VAC, 50Hz)

AC Inrush Current (Cold)
15A at 115VAC
20A at 240VAC

Efficiency
70% typical at full load,
120VAC

Hold-up Time
16msec. at full load,
120VAC

Switching Frequency
50KHz, typical

Overvoltage Protection
5.6-6.5VDC (+5 only)

Overcurrent Protection
Short circuit protected
Auto-restart

Operation Temperature
0 to 50°C

Storage Temperature
-40 to +85°C

MTBF
Calculated
Greater than 150,000 hours,
(MIL-HDBK-217)

EMI
FCC Class B
VDE VFG-243
VDE 0871 Class B

AC Mating Connector
Molex 09-50-1031

DC Mating Connectors
LED & Fan: Molex 22-01-1023
Power: Molex 09-50-1041

Dimension Diagram Unit: mm (inch)

