



PS1070 Power Supply

PS1070

Power Supply
10 amps, 70 VDC

Features:

- Provides up to 10 Amperes of DC power for open frame step and servo motor drives and indexers.
- Operates from 108-132 VAC or 216-264 VAC, 50/60 Hz
- Sturdy metal frame design
- Unregulated fused output
- Provides power for 2 7080 drives, set at 7.0 Amps per phase, and 2 5042-022 motors, windings connected in parallel, full or microstepping.
- Designed to meet European safety standards.

Description:

The PS1070 is a 670 watt open frame power supply designed to operate multiple DC input stepping or servo motor drives such as the Applied Motion's 7080/7080i Stepper drives and BL7080X/BL7080i Servo drives.

Applied Motion's PS1070 has a single 70 VDC nominal output and may be operated from either 110 or 220 AC, 50/60 Hz source. Input voltage is selected via jumpers on the power supply terminal strip.



Input

- 115/230 volts 50/60 Hz to be fused by user.
- 8/4 amp (755 watts).
- Suggested fuse 10/5 amps slo-blo.
- Voltage selected by terminal strip jumpers.
- Low Line: 108/216 Volts AC.
- High Line: 132/264 Volts AC.
- Connections: Barrier strip with screw terminals.
- Open frame construction.
- Size: 5.75" X 12" X 4.57" High.
- Mounting: 4 each .28" Dia. Holes on 4.37" X 11.0" Centers.
- Weight: 23.8 lbs.

Environmental

- Maximum Operating Ambient Temperature: 50°C.
- Power Supply Derating: 0.2A/°C above 35°C ambient.

PS1070 Specifications:

Output

- 67 VDC with 120 VAC line and 10 Amp. Full Load: 670 watts.
- Minimum Voltage: 50.5 at Low Line and Full Load.
- Maximum Voltage: 86 at High Line and No Load.
- Maximum Ripple: 2.0V peak-to-peak at Full Load.
- Connections:
 Positive Voltage – .25" faston on fuse holder.
 Negative Voltage – .25" faston on filter capacitor.

MECHANICAL OUTLINE

