

1.1 Description

Model 1011 NIM Power Supply provides  $\pm 12$  volts at 2 amperes each,  $\pm 6$  volts at 5 amperes each, and  $\pm 24$  volts at 1 ampere in accordance with AEC - NBS Standard TID-20893 Type V-H. Total power capability is 96 watts, which is available for any combination of the six voltage outputs.

The electronic circuit regulators for the six power supplies are contained on a single printed circuit board. Voltage adjustment potentiometers allow variation of the output voltages by approximately  $\pm 2\%$ .

All voltages incorporate overcurrent protection and no damage to the supply will result in the event of a continuous short circuit condition. A thermal warning and thermal cutoff switch is provided to protect the power supply should the internal temperature exceed safe limits. Overvoltage protection is provided for the +6 volt and -6 volt supplies.

1.2 Specifications

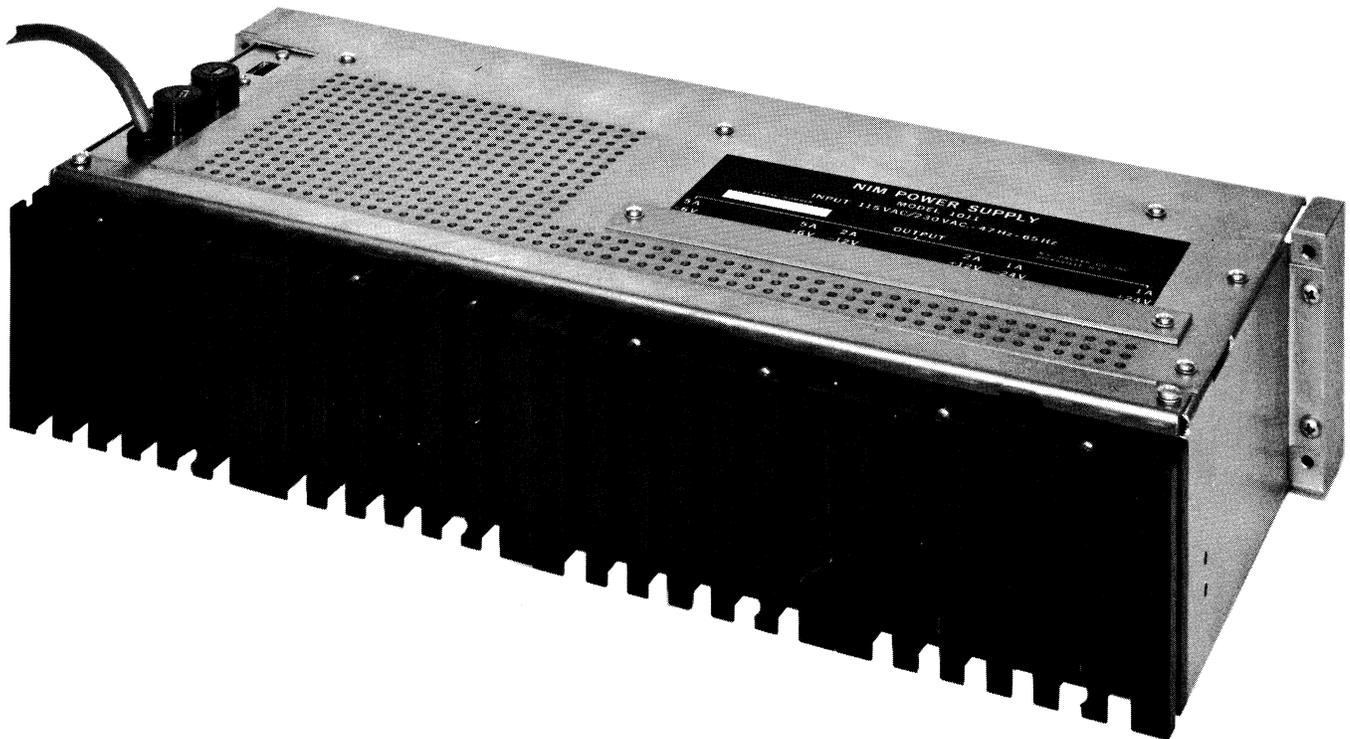
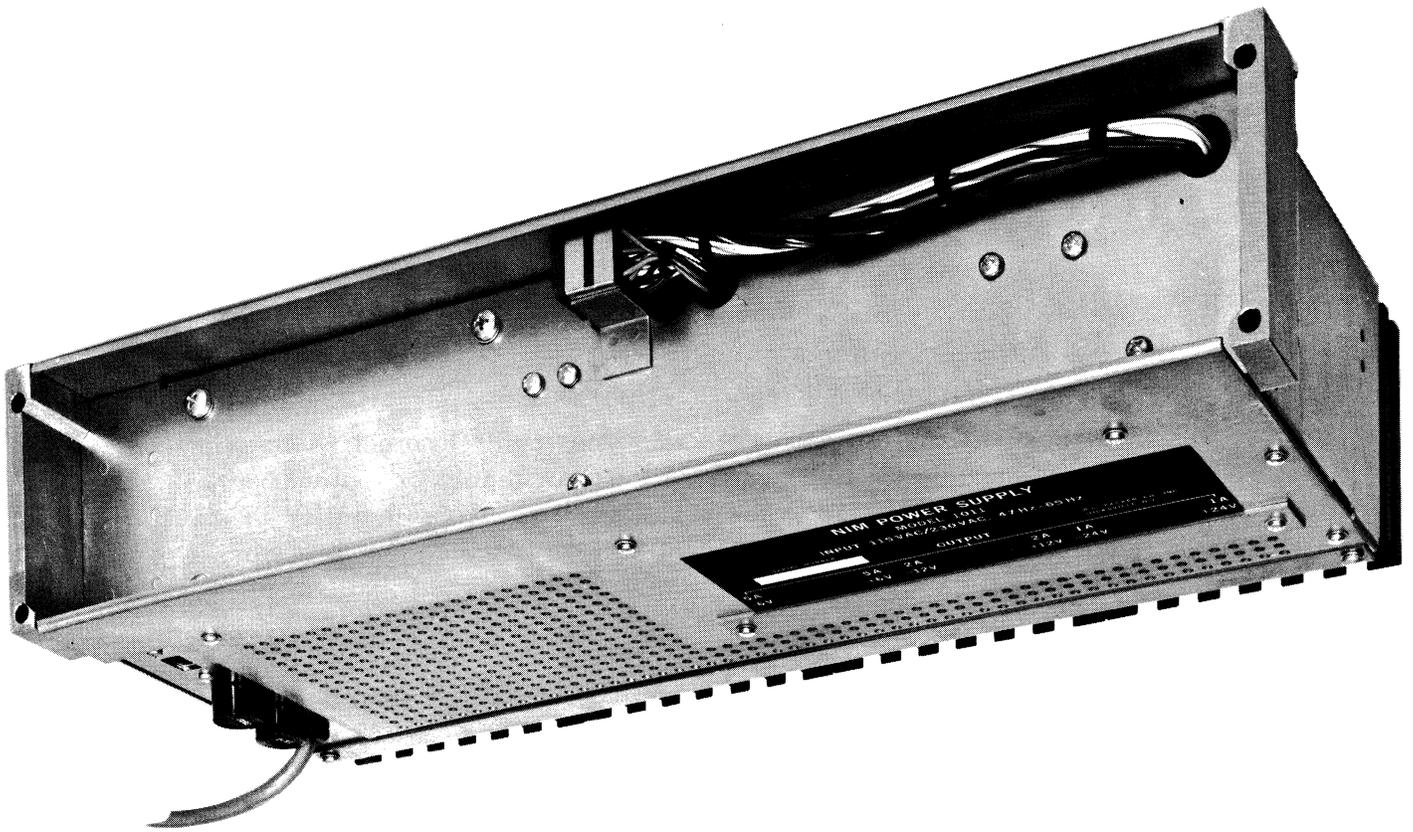
Detailed performance and physical specifications of the Model 1011 NIM Power Supply are provided in Table 1-1.

1.3 Accessories

One operating manual

SPECIFICATIONSTABLE 1-1

Outputs	D.C.:	+24 volts and -24 volts at 0 to 1 amp +12 volts and -12 volts at 0 to 2 amps +6 volts and -6 volts at 0 to 5 amps
	Power:	96 watts maximum
	A.C.:	115 volts at line frequency
	Connector	Amp 202651-2
Regulation (at sense points)	line and load	$\pm .005\%$ , +.5mv
Temperature Coefficient		$\pm 50 \text{ PPM}/^{\circ}\text{C}$ or $\pm .005\%/^{\circ}\text{C}$
Ambient Operating Temperature		$-20^{\circ}\text{C}$ to $+50^{\circ}\text{C}$ : derating: $2\%/^{\circ}\text{C}$ to $60^{\circ}\text{C}$
Noise and Ripple (dc to 50 mHz)		3mv pk to pk
Recovery Time		returns to within .1% of output within 50 microseconds for a load change of 10% to 100%
Input Line Voltage		103 to 129 or 206 to 258 vac, 47 to 65Hz single phase
Input Power		250 watts at maximum load conditions
Physical		Size: 3-7/16" H x 7-1/2"D x 16.840"W Weight: 18 lbs.
Option P		Output Connector PG-15 supplied



Model 1011 Power Supply

Figure 1-1