

620 series Dataspec.

PRODUCT Analog Power Supply

MODEL 620-88

DATE September 1, 1971



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ANALOG POWER SUPPLY MODULE

INTRODUCTION

The analog power supply module is a general purpose, self-contained power supply providing all the power requirements of the analog and digital interface modules.

SPECIFICATIONS

Electrical Characteristics

Input Voltage Selectable 105, 115, 125 Vac or
220, 230, 240 Vac $\pm 10\%$, 47 Hz to 63 Hz
Input Current 1.6A RMS F.L.
Output Voltages, Currents +5 Vdc 0.1%; 5 A
+15 Vdc 0.1%; 1 A
-15 Vdc $\pm 3\%$; 1 A
+20 Vdc $\pm 3\%$; 250 mA
-22 Vdc $\pm 3\%$; 250 mA
+24 Vdc $\pm 3\%$; 500 mA

Output Performance

Voltages	$\pm 15V$	+20V, -22V	+5V	+24V
Load Regulation (N.L. to F.L.)	0.1%	0.1%	0.5%	1%
Line Regulation (Nominal Volt $\pm 10\%$)	0.1%	0.15%	0.1%	1%
Temperature Coefficient	$\pm 0.015\%$	$\pm 0.025\%$	$\pm 0.015\%$	$\pm 0.025\%$
Ripple and Noise (N.L. to F.L.)	5 mV P-P maximum			50mV
Transient Response (50% load change)	25 μ sec	25 μ sec	10 μ sec	50 μ sec

Short Circuit Protection Stands any combination of
outputs shorted to ground or
to each other indefinitely.
Overvoltage Protection +5.0V only. Crowbar fires at
+6.8V $\pm 0.4V$
Remote Sensing +5V, +15V, -15V (tracks + 15V)
Operating Temperature 0°C to 50°C (without
forced air cooling)

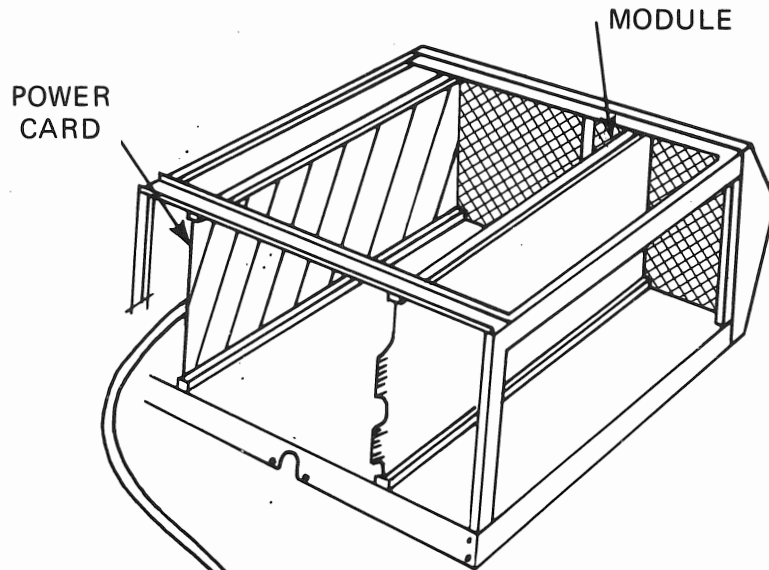
Current Limits

Voltage	+5V	$\pm 15V$	+20V, -22V	+24
i minimum	5.4A	1.3A	0.26A	0.51A
i short	1.1A	0.15A	0.35A	0.6A

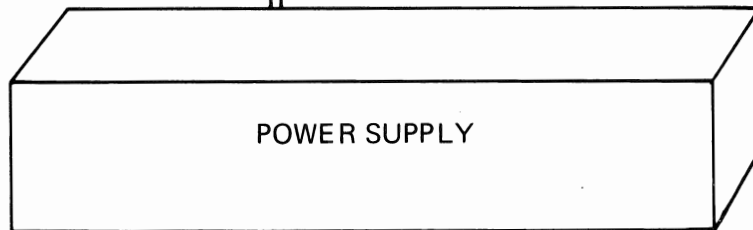
Physical Characteristics

Mounting Rack mount on front or
rear cabinet rails
Dimensions 5 1/4 x 19 x 6 inches
Weight 11 pounds
Power Distribution The distribution of power is
accomplished via a printed circuit
card inserted in one computer slot.

POWER SUPPLY CONFIGURATION



Note: The diagram shows the power card inserted vertically; however, the card can also be inserted horizontally, depending on the computer.



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