

Table 1-1. Specifications

INPUT:	105-125 vac, 57 to 63 cps, single phase, 17 amperes, 1200 watts max.
RATED OUTPUT:	Constant Voltage: 0 to 60 vdc Constant Current: 0 to 15 amperes dc
LINE REGULATION:	Constant Voltage: Less than 60 mv for 105-125 vac input change. Constant Current: Less than 150 ma for 105-125 vac input change.
LOAD REGULATION:	Constant Voltage: Less than 120 mv for 0 to 45 ampere load change. Constant Current: Less than 150 ma for 0 to 18 vdc load change.
RIPPLE AND NOISE:	60 mvrms
OPERATING TEMPERATURE RANGE:	0°C to 50°C
STORAGE TEMPERATURE RANGE:	-20°C to 71°C
TEMPERATURE COEFFICIENT:	Constant Voltage: 0.05% plus 15 mv per degree centigrade. Constant Current: 45 ma per degree centigrade
OUTPUT STABILITY: (after 30-minute warm-up)	Constant Voltage: 0.15% plus 45 mv for 8 hours at constant temperature. Constant Current: 150 ma for 8 hours at constant temperature.
REMOTE PROGRAMMING:	Constant Voltage: 300 ohms per volt $\pm 1\%$ Constant Current: 15 ohms per ampere
TYPICAL OUTPUT IMPEDANCE:	Less than 0.01 ohm from dc to 0.5 cps Less than 0.3 ohm from 0.5 to 100 cps Less than 0.2 ohm from 100 cps to 1kc Less than 0.6 ohm from 1kc to 100 kc
OUTPUT IMPEDANCE:	1.0 microhenry

Table 1-1. Specifications (cont.)

TRANSIENT RECOVERY TIME:

In constant voltage operation, less than 300 milliseconds is required for output voltage recovery to within 400 millivolts of the nominal output voltage following a load change equal to one half the maximum current rating of the power supply. Nominal output voltage is defined as the mean between the no-load and full-load voltages. The transient amplitude is less than 0.4 volt per ampere for any load change between 20% and 100% of rated output current. (Excluding the initial spike of approximately 100 microseconds duration which is significant only for load rise times faster than 0.5 ampere per microsecond).

SIZE AND WEIGHT:

Height	Width	Depth	Weight
5-1/4 in.	19 in.	16-3/4 in.	61 lb.

FINISH:

Light gray front panel with dark gray case.

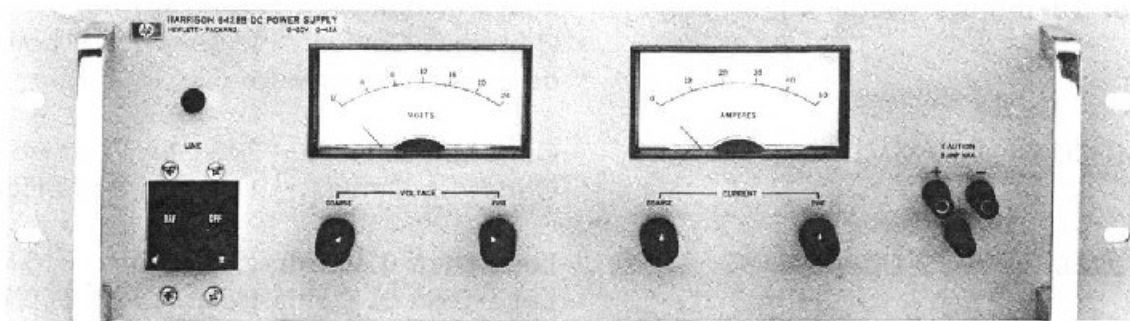


Figure 1-1. Model 6439B DC Power Supply