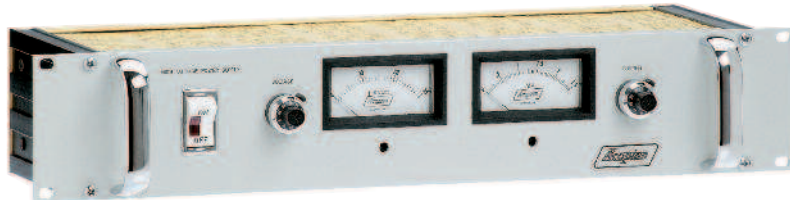


High Voltage AC-DC

RACK MOUNTING
REGULATED

Output ranges: 0 - 1,000 volts to 0 - 30,000 volts

- Shipped Within 9 Days
- Five Year Warranty
(internal encapsulated module - One Year)



Ideal for laboratory and instrumentation applications, these rack mounting supplies have the same output ratings and specifications as the modular supplies shown on pages 70 and 71, but additionally feature calibrated

ten-turn controls (with locking vernier dials) for precisely setting voltage and current. Voltmeter, ammeter and handles are standard. An 8' long shielded output cable is included.

SPECIFICATIONS

Input Voltage: 105-125 VAC, 50-400 Hz, single phase.

Input Current:

30 watt output ratings: 0.6A

60 watt output ratings: 1.2A

Output Polarity: Positive output is standard. For negative output, change first letter of model number from P to N.

Regulation (constant voltage operation):

Line: $\pm 0.05\%$

Load: $\pm 0.05\%$

Regulation (constant current operation):

Line: $\pm 0.1\%$

Load: $\pm 0.1\%$ plus 50 μ A.

Ripple: 0.05%, peak-to-peak.

Output Controls: Voltage and current may be controlled by means of two 10-turn front panel adjustments with locking vernier dials. Control linearity is 1% of full rated output. Calibration accuracy is 1% of rated output plus 1% of setting. (Remotely located 1000 ohm potentiometers may alternately be used for output control.)

Metering: Voltmeter and ammeter are standard. Accuracy is 2% of full scale.

Voltage Monitor Terminal: Permits remote monitoring of output voltage, stepped down by ratio shown. Accuracy is 2% of maximum rated output voltage.

Current Monitor Terminal: Permits remote monitoring of output current, at mV/mA ratio shown. Accuracy is 2% of maximum rated output current.

Inhibit Terminal: Grounding inhibits output.

Input Protection: "Soft start" circuit minimizes start-up power stresses.

Output Programming: Output voltage and current may be programmed from 0 to full rating by means of control voltage inputs of 0 to +5.1 Vdc, $\pm 2\%$.

Output Protection: Current regulation circuit protects power supply from short circuits, overload, and arcing.

Response Time: Less than 5 mS for 100 μ A load step change.

Stability: 0.05% over eight hours, after 30 minute warmup.

Temperature Coefficient: 200 PPM/ $^{\circ}$ C = 0.02%/ $^{\circ}$ C (Typical).

Ambient Operating Temperature: -10 to $+60^{\circ}$ C. No derating required.

Storage Temperature: -20 to $+85^{\circ}$ C.

Humidity: Maximum of 90% relative, non-condensing.

Connections:

Input, Control and Monitoring: Screw terminals.

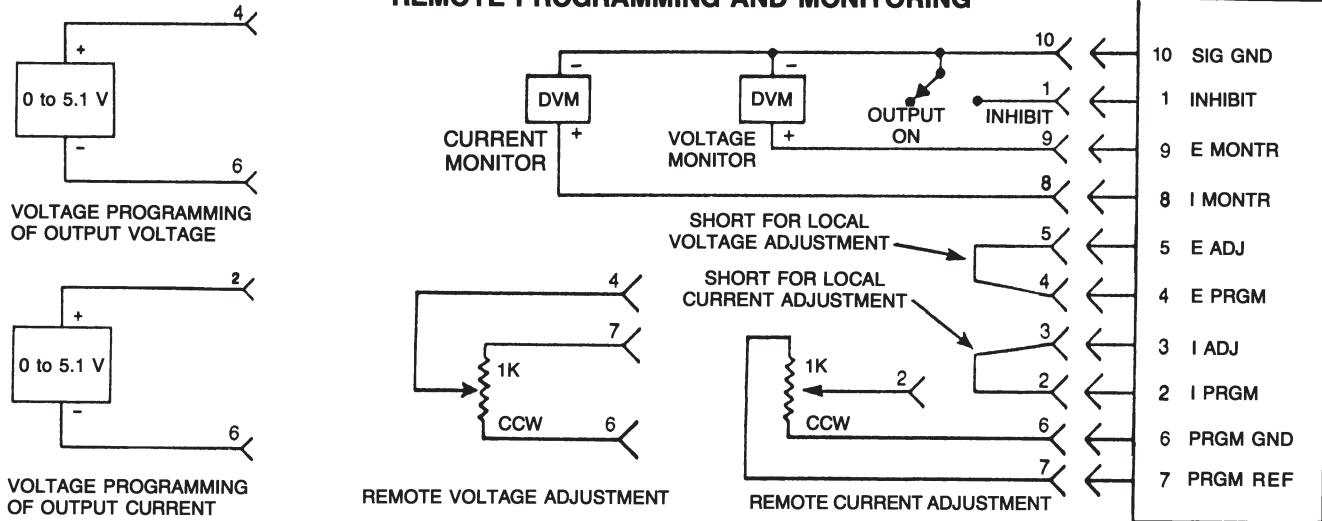
Output: High voltage connector (Type varies with model number). An 8' shielded output cable, with mating connector installed, is provided.

OPTIONS

Terminal Strip Cover: Clips on AC input terminal strip. To order, add suffix "M" to model number and \$5.00 to price.

230 Volt Input: All models can be alternately furnished for operation on inputs of 210-250 VAC, 50-400 Hz, single phase. To order, add suffix "-230" to model number and add \$40.00 to price. The "-230" option requires two additional days.

REMOTE PROGRAMMING AND MONITORING



Output Range kVdc	Output Current mA	Output Monitor Ratio		(\$) Price	Model (Positive Output) *
		Voltage	Current mV/mA		
0-1	30	1,000:1	100:1	1090	P01HP30
0-1	60	1,000:1	10:1	1195	P01HP60
0-1.5	20	1,000:1	100:1	1195	P01.5HP20
0-1.5	40	1,000:1	100:1	1305	P01.5HP40
0-2	15	1,000:1	100:1	1090	P02HP15
0-2	30	1,000:1	100:1	1195	P02HP30
0-2.5	12	1,000:1	100:1	1090	P02.5HP12
0-2.5	24	1,000:1	100:1	1195	P02.5HP24
0-3.5	8.5	1,000:1	100:1	1090	P03.5HP8.5
0-3.5	17	1,000:1	100:1	1195	P03.5HP17
0-5	6	10,000:1	100:1	1145	P05HP6
0-5	12	10,000:1	100:1	1255	P05HP12
0-7.5	4	10,000:1	100:1	1145	P07.5HP4
0-7.5	8	10,000:1	100:1	1255	P07.5HP8
0-10	3	10,000:1	1,000:1	1145	P010HP3
0-10	6	10,000:1	100:1	1255	P010HP6
0-12	2.5	10,000:1	1,000:1	1145	P012HP2.5
0-12	5	10,000:1	100:1	1255	P012HP5
0-15	2	10,000:1	1,000:1	1195	P015HP2
0-15	4	10,000:1	100:1	1305	P015HP4
0-18	1.6	10,000:1	1,000:1	1195	P018HP1.6
0-18	3.2	10,000:1	1,000:1	1305	P018HP3.2
0-20	1.5	10,000:1	1,000:1	1195	P020HP1.5
0-20	3	10,000:1	1,000:1	1305	P020HP3
0-22	1.3	10,000:1	1,000:1	1255	P022HP1.3
0-22	2.6	10,000:1	1,000:1	1360	P022HP2.6
0-25	1.2	10,000:1	1,000:1	1305	P025HP1.2
0-25	2.4	10,000:1	1,000:1	1415	P025HP2.4
0-30	1	10,000:1	1,000:1	1305	P030HP1
0-30	2	10,000:1	1,000:1	1415	P030HP2

* Positive output is standard. For negative output, change first letter of model number from P to N.

