

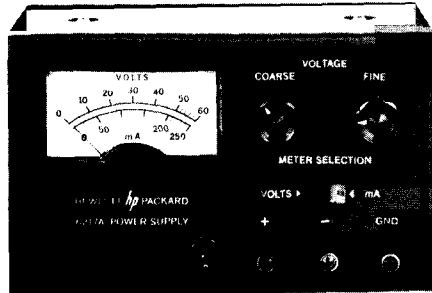


POWER SUPPLIES

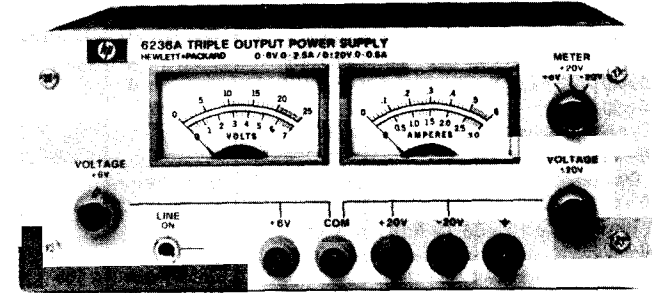
Low cost lab: compact, single and triple outputs

Models 6211A-6218A, 6236A and 6237A

- 10W output . . . Low ripple and noise
- Compact, Impact-resistant stackable case
- Short-circuit proof



6211A, 6218A



6236A, 6237A

Description

These popular low-cost bench supplies are designed for general laboratory use and are equipped with front-panel mounted voltage controls, a combination volt/ammeter, and output binding posts. Output voltage is continuously variable, via coarse and fine controls from 0 V to 15% above the maximum rated output. A switch selects either output voltage or current for display on the panel meter.

Load connections are made via three binding posts. Either the + or the - post may be grounded through an adjacent GND terminal or the supply may be operated floating at up to 300 volts above ground.

The Constant Voltage/Constant Current Models have concentric coarse and fine current controls which allow setting the current-limit point to any value within the current rating. Using these controls, the CV/CC supplies can also be operated as constant current sources with 500 μ A load regulation. All CV/CC models can be connected in series or parallel.

The Constant Voltage/Current Limiting (CV/CL) Model supplies are short-circuit protected by a fixed current limiting circuit which is activated at approximately 120% of rated load current. The CV/CL models can be connected in series only.

Ratings

Volts	Amps	Model	Load Effect	Source Effect	PARD Rms/p-p	Mode
0-10	1	6213A	4 mV	4 mV	200 μ A/1 mV	CV/CL
0-10	0-1	6214A	4 mV	4 mV	200 μ A/1 mV	CV/CC
0-25	0.4	6215A	4 mV	4 mV	200 μ A/1 mV	CV/CL
0-25	0-0.4	6216A	4 mV	4 mV	200 μ A/1 mV	CV/CC
0-50	0.2	6217A	4 mV	4 mV	200 μ A/1 mV	CV/CL
0-50	0-0.2	6218A	4 mV	4 mV	200 μ A/1 mV	CV/CC
0-100	0.1	6211A	8 mV	4 mV	200 μ A/1 mV	CV/CL
0-100	0-0.1	6212A	8 mV	4 mV	200 μ A/1 mV	CV/CC

AC Power Requirements: 115 V \pm 10%, 1 Φ 48-440 Hz; (for 230 V operation, order optn. 028).

Dimensions: 133 \times 83 \times 368 mm, (3 $\frac{1}{4}$ "H \times 5 $\frac{1}{4}$ "W \times 8"D).

Accessories and options

14521A Rack kit for one, two, or three supplies.
Option 028 230 V ac single phase input

Model number and name

6213A, 6215A, 6217A CV/CL Low Cost Lab Supplies	\$130
6211A CV/CL Low Cost Lab Supply	\$160
6214A, 6216A, 6218A CV/CC Low Cost Lab Supplies	\$155
6212A CV/CC Low Cost Lab Supply	\$185

- 0 to 6 V & 0 to \pm 20 V, Model 6236A
- 0 to 18 V & 0 to \pm 20 V, Model 6237A
- No turn-on/turn-off overshoot

Description

Small size, ease of operation and application-related performance make the 6236A and new 6237A valued additions to any lab where digital or linear integrated circuits are used.

Measuring only 3 $\frac{1}{2}$ in. H \times 8 $\frac{1}{2}$ in. W \times 12 $\frac{1}{2}$ in. D, the 6236A and 6237A take up a minimum of bench space, and weighing 9 $\frac{1}{2}$ lb, can be handled with ease. In addition to being compact and portable, these supplies are easy to operate. Control of single and dual outputs is provided by separate single-turn potentiometers. A three-position meter switch selects the desired output for display of voltage and current on dual panel meters. The 0 to +20 V and 0 to -20 V outputs track one another within 1% to supply the symmetrical voltages needed by operational amplifiers and similar balanced voltage source devices.

These supplies are protected from overloads by fixed current limiting circuits. The +20 V and -20 V outputs are limited to 0.50 A for all overload conditions. The 0 to 18 V single output of the 6237A is similarly limited to 1.0 A. A foldback current limiting circuit in the 6236A reduces the available output from 2.5 A at the 6 V setting to 1 A at the 0 V setting (and under short circuit conditions). This foldback characteristic permits more available output current at the most commonly used output of 5-6 V than would normally be the case.

Specifications (both models, unless otherwise indicated.)

DC Output

6236A: 0 to 6 V (2.5 A at 6 V reducing to 1 A at 0 V); and 0 to +20 V and -20 V at 0.5 A, dual tracking.

6237A: 0 to 18 V at 1 A; and 0 to +20 V and -20 V at 0.5 A, dual tracking.

AC input: 120 V ac nominal, 104 V to 127 V, 47-63 Hz, 112 W, 1.2 A

Load effect (load regulation): 0.01% +2 mV (all outputs)

Source effect (line regulation): 0.01% +2 mV (all outputs)

PARD (ripple & noise): 0.35 mV rms, 1.5 mV p-p (20 Hz to 20 MHz).

Resolution: 15 mV for 6 V output, 70 mV for other outputs.

Drift (stability): following 30-minutes warm-up is 0.1% +5 mV.

Output voltage overshoot: no overshoot

Temperature coefficient: 0.02% +1 mV output change per degree C.

Temperature ratings Operating: 0 to 40°C Storage: -50 to +75°C.

Dimensions: 89 mm H \times 216 mm W \times 319 mm D; (3 $\frac{1}{2}$ " H \times 8 $\frac{1}{2}$ " W \times 12 $\frac{1}{2}$ " D).

Weight: 4.3 kg (9.5 lb) **Color:** olive gray

Options and accessories

Option 100: 87-106 V, 47-63 Hz input
Option 220: 191-233 V, 47-63 Hz input
Option 240: 208-250 V, 47-63 Hz input
14513A Rack Kit for one supply
14523A Rack Kit for two supplies

Price

N/C
N/C
N/C
\$15
\$25

Model number and name

6236A Triple Output Power Supply	\$335
6237A Triple Output Power Supply	\$335