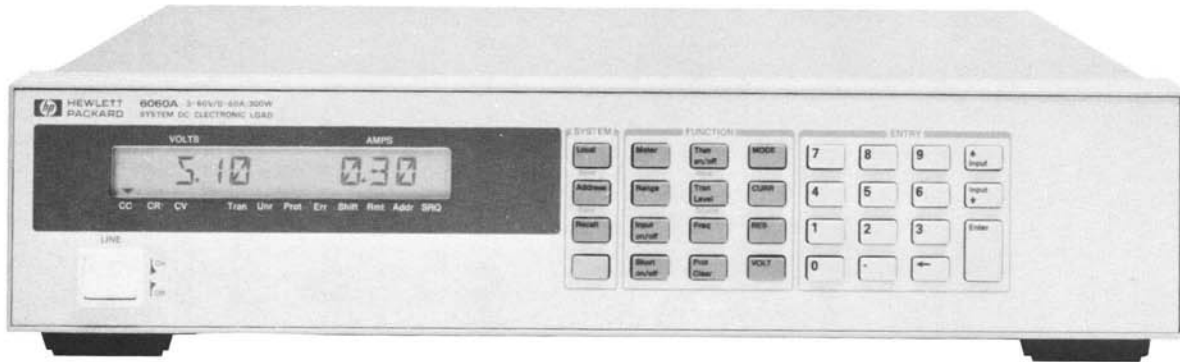


DC ELECTRONIC LOADS

300 Watt Single Input Electronic Load

Model 6060A

- 300 Watt load: 0-60 A, 3-60 V
- HP-IB control of current, voltage, and resistance
- HP-IB readback of current, voltage, and power
- External analog programming of current in Constant Current mode
- Built-in programmable pulse waveform generation.
- Protection from overpower, overtemperature, overcurrent, overvoltage and reverse polarity
- Standard 3-year warranty



HP 6060A



HP 6060A 300 Watt Single Input Electronic Load

Key Features

- Parallelable in constant current mode
- Software calibration
- Non-volatile user-defined power-up state
- Front panel voltmeter, ammeter, and full feature keypad
- IEEE 488.2 and HP-SL compatible instruction set
- Trigger for external synchronization
- Analog voltage & current monitors
- Remote voltage sensing
- Control signal for external disconnect or shorting relay
- Rack mountable (3.5")
- Fan speed control for low acoustic noise

The new HP 6060A 300 Watt Single Input Electronic Load is designed for test, evaluation, and burn-in of DC power supplies, batteries, and power components. It is suitable for applications in areas such as R&D, production test, and field repair. The Electronic Load Family offers advantages in performance, quality, reliability, and price/performance. The built-in HP-IB interface further simplifies system integration and allows control and readback of all load functions.

The features and instruction set of the HP 6060A Single Input Load are compatible with the HP 6050A and HP 6051A mainframe load products. For example, test programs developed for an HP 6060A 300 Watt Single Electronic Load can be used later for an HP 60502A 300 Watt Module Load in another application.

The HP 6060A 300 watt load is suitable for bench use too. The front panel keypad allows easy, repeatable and reliable control of the load when it is used manually. Front panel settings are remembered after AC power is removed. The front panel LCD meters indicate voltage, current, and power readings. Connection to the load is made at the rear panel; front panel binding posts are available as an option.

Specifications

Modes: Constant current (CC), constant voltage (CV), and constant resistance (CR)

DC Input Ratings: 0-60 A, 3-60 V, (current derated from 0-3 volts) power limited to 300 W at 40 C (225 watts at 55 C)

Programmable ranges CC mode: 0-6 A, 0-60 A

CR mode: 0.033-1.0 ohm, 1-1000 ohms, 10-10,000 ohms

Programming Accuracy: $\pm 0.1\% \pm 65\text{ma}$ (in 60A CC range)

Programming Resolution: 16mA (in 60A CC range)

Readback Resolution: 16mA, 16mV

Readback Accuracy: 0.05% $\pm 65\text{ma}$, 0.05% $\pm 45\text{mv}$

Built-in pulse waveform generation:

Frequency (0.25 Hz - 10 kHz);

Duty cycle (6-94%);

Slew rate (1.0 A/mS to 5 A/ μ S) in 60 A range

Analog programming bandwidth in CC mode: 10 kHz

Programmable electronic short: 33 milliohms (20 mohms typical)

Programmable electronic open: 20 k ohms (typical)

Ordering Information

| | Price |
|--|--------|
| HP 6060A 300 Watt Single Input Load | \$1995 |
| Opt 100 87-106 Vac, 48-63 Hz, (for Japan only) | \$0 |
| Opt 220 191-233 Vac, 48-63 Hz | \$0 |
| Opt 240 209-250 Vac, 48-63 Hz | \$0 |
| Opt 020 Front Panel Binding Posts | +\$80 |
| Opt 908 Rack Mount Kit for one unit with no handles | +\$31 |
| Opt 909 Rack Mount Kit for one unit with handles | +\$74 |
| Opt 910 Extra Manuals | +\$31 |