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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6038L 200-watt, autoranging, single-output DC power supply

Agilent 6038L Autoranging DC Power Supply 0 to 60 V 0 to 10 A 240 W The HP/Agilent 6038L is a single-output autoranging DC power supply. OEM autoranging family tables rate 0 to 60 V, 0 to 10 A, and 240 W, with corner points 60 V, 3.3 A; 40 V, 6 A; and 20 V, 10 A. This system model includes GPIB programming and readback. ATE and bench DC power where one supply must cover several voltage/current combinations at rated watts. Autoranging envelope delivers rated watts across multiple V/I corners The HP/Agilent 6038L is a single-output autoranging DC power supply. OEM autoranging family tables rate 0 to 60 V, 0 to 10 A, and 240 W, with corner points 60 V, 3.3 A; 40 V, 6 A; and 20 V, 10 A. This system model includes GPIB programming and readback. ATE and bench DC power where one supply must cover several voltage/current combinations at rated watts. Autoranging envelope delivers rated watts across multiple V/I corners Analog or resistance programming of voltage and current



MODEL

**Agilent / Keysight
6038L**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6038L

LISTING

<https://aumictechlabs.com/products/6038l-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6038L is a 200 W autoranging DC power supply engineered for precision test systems requiring flexible voltage and current sourcing. Single output. Delivers 0–60 V at 0–10 A within its 200 W power envelope, with autoranging capability that optimizes available power

across load conditions. Technical Specifications Output Single output, 200 W total Voltage: 0–60 V Current: 0–10 A Autoranging: Yes Load and Output Regulation Voltage regulation (load): 0.01% + 5 mV Voltage ripple and noise: 3 mV RMS, 30 mV peak-to-peak (20 Hz to 20 MHz) Current ripple: 5 mA RMS Programming and Readback Accuracy (25°C ±5°C) Voltage programming: 0.035% + 40 mV Voltage readback: 0.07% + 50 mV Current programming: 0.09% + 10 mA Protection Overvoltage protection (OVP): Adjustable via front panel Overcurrent protection (OCP): Built-in Key Features GPIB (IEEE 488) remote programming and measurement Analog and resistance control inputs Remote sensing: up to 2 V drop compensation per lead Front panel voltage, current, and OVP adjustment (Option 001 limits to line switch, indicator, and OVP only) UL/CSA certified; EN 61010-1 compliant; CE marked RFI suppression per CISPR-11, Group 1, Class A AC Input Options Standard: 104–127 VAC, 24 A input current Option 100: 87–106 VAC (output derated to 75%) Option 220: 191–233 VAC Option 240: 209–250 VAC Frequency: 47–63 Hz Physical Dimensions: 212.3 × 177.0 × 516.4 mm (8.36 × 6.97 × 17.87 in) Weight: Approximately 13.2 kg (29 lbs) Typical Applications Manufacturing test, automated equipment characterization, load simulation, component stress testing, and systems requiring stable, programmable DC sourcing with integrated current and voltage monitoring.

6038L Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Autoranging DC power supply
Series Family	HP Agilent 601× 602× 603x autorangers
Number of Outputs	1
GPIB Interface	Yes
Output Voltage Rating	0 to 60 V
Output Current Rating	0 to 10 A
Maximum Power	240 W
Autoranging Corner V1 I	60 V, 3.3 A
Autoranging Corner V2 I	40 V, 6 A
Autoranging Corner V3 I	20 V, 10 A
Programming Accuracy Voltage at 25 C	0.035 percent plus 40 mV
Programming Accuracy Current at 25 C	0.09 percent plus 10 mA
Ripple Noise Voltage RMS 20 Hz to 20 MHz	3 mV
Ripple Noise Voltage Peak Peak	30 mV
Ripple Noise Current RMS	5 mA
Load Regulation Voltage	3 mV
Load Regulation Current	0.01 percent plus 5 mA
Line Regulation Voltage	0.01 percent plus 2 mV
Line Regulation Current	0.01 percent plus 2 mA
Transient Response Time 10 Percent Step	1 ms
Transient Response Level	5 mV class per 6038A DS transient row
Programming Resolution Voltage	15 mV
Programming Resolution Current	2.5 mA
DC Floating Voltage	plus or minus 240 V from chassis

PARAMETER	VALUE
Remote Sensing Drop	up to 2 V per load lead; regulation met to 0.5 V drop
Analog Modulation Input	0 to 5 V or 0 to 4 kOhm
Size	212.3 mmWx 177.0 mmHx 516.4 mmDWeight Net: 9.6 kg (21 lb)
AC Input Current Class	6 A at 100 Vac; 6.5 A at 120 Vac; 3.8 A at 220 Vac; 3.6 A at 240 Vac
Paired Family Column	6028A non GPIB

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Autoranging Corner V3 I3	20 V, 10 A
Programming Accuracy Voltage at 25 C	0.035 percent plus 40 mV
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Ripple Noise Current RMS	5 mA
Load Regulation Voltage	3 mV
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Programming Resolution Voltage	15 mV
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DC Floating Voltage	plus or minus 240 V from chassis
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Notes

Electrical rows from HP/Agilent Single-Output Autoranging 200 W to 1000 W catalog tables (system column twin 6028A non GPIB). L limited front panel variant; electrical ratings match 6038A system column. From Agilent 6030A Series Autoranging data sheet 6038A column.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.