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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / HP 6038A DC Power Supply, 60V/10A, 240 Watt

HP Agilent 6038A Autoranging System DC Power Supply The Agilent 6038A is a half-rack single-output autoranging GPIB DC power supply in the 200 W class 603xA family. OEM datasheet ratings are 0 to 60 V and 0 to 10 A with 240 W maximum power, autoranging corners at 60 V/3.3 A, 40 V/6 A, and 20 V/10 A. Mid-voltage ATE bias in half-rack density, component and board-level power testing, and paired side-by-side rack mounting with another 6033A or 6038A. Analog/resistance programming of voltage and current The Agilent 6038A is a half-rack single-output autoranging GPIB DC power supply in the 200 W class 603xA family. OEM datasheet ratings are 0 to 60 V and 0 to 10 A with 240 W maximum power, autoranging corners at 60 V/3.3 A, 40 V/6 A, and 20 V/10 A. Mid-voltage ATE bias in half-rack density, component and board-level power testing, and paired side-by-side rack mounting with another 6033A or 6038A. Analog/resistance programming of voltage and current Series and auto-parallel connections of multiple supplies



MODEL

**Agilent / Keysight
6038A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6038A

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6038A is a 240 W autoranging DC power supply engineered for demanding test systems requiring single-channel, programmable output control. This compact unit delivers

0–60 Vdc at 0–10 A with autoranging capability, maximizing available power across the operating envelope - for example, 60 V at 3.3 A or 40 V at 6 A. Control is available via front-panel potentiometers or GPIB interface with SCPI command support, enabling integration into automated test setups. Voltage ripple and noise measure 3 mVrms / 30 mV peak-to-peak, with current ripple at 5 mA rms. Load regulation is held to 3 mV (voltage) and 5 mA (current). Line regulation delivers 0.01% + 5 mV on voltage; programming accuracy is 0.035% + 145 mV. Voltage readback accuracy reaches 0.07% + 50 mV. Programming resolution is 50 mV (voltage) and 4.25 mA (current). The supply accepts modulation input signals from 0–5 V or 0–4 k Ω . Remote sensing supports up to 2 V drop per lead; regulation specifications are maintained with up to 0.5 V drop. AC input ranges from 104–127 Vac or 191–233 Vac / 240 Vac $\pm$ 6%, –13%, at 48–63 Hz, drawing 24 A maximum. The unit measures 212 mm (W) $\times$ 177 mm (H) $\times$ 444 mm (D) and weighs 16.3 kg. Operating range spans 0–55°C at up to 95% relative humidity, with installation category II and pollution degree 2 rating. The 6038A supports series and auto-parallel connections for multi-unit configurations, reducing overall rack footprint. Digital readout and integrated protection safeguard devices under test. VXIplug&play drivers facilitate system integration.

Technical Specifications
Output: 0–60 Vdc, 0–10 A, 240 W maximum
Ripple/Noise: 3 mVrms / 30 mV pp (voltage); 5 mA rms (current)
Load Regulation: 3 mV (voltage); 5 mA (current)
Line Regulation: 0.01% + 5 mV
Programming Accuracy: 0.035% + 145 mV (voltage)
Readback Accuracy: 0.07% + 50 mV (voltage)
Programming Resolution: 50 mV (voltage); 4.25 mA (current)
Modulation Input: 0–5 V or 0–4 k Ω
AC Input: 104–127 Vac or 191–233 Vac / 240 Vac $\pm$ 6%, –13%; 48–63 Hz; 24 A
Dimensions: 212 mm W $\times$ 177 mm H $\times$ 444 mm D
Weight: 16.3 kg
Operating Temperature: 0–55°C
Operating Humidity: Maximum 95% RH
Altitude: Up to 2000 m

Key Features
Autoranging output for maximum power delivery across operating points
Single output channel with independent voltage and current adjustment
GPIB interface with SCPI command support
Analog and resistance control of output voltage and current
Remote sensing capability with up to 2 V drop tolerance per lead
Series and auto-parallel connection support for multi-unit systems
Digital readout and integrated DUT protection
Compact footprint for rack-mount applications

Typical Applications
Automated test equipment (ATE) systems
Component and device characterization
Burn-in and reliability testing
Laboratory bench power applications with programmable control

Compatibility & Integration
GPIB interface with SCPI programming
VXIplug&play drivers for system integration
Installation category II; pollution degree 2

6038A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
GPIB	Yes
Output Voltage	0 to 60 V
Output Current	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 Current	0.09% + 10 mA
Ripple Voltage RMS 20 Hz to 20 MHz	3 mV
Ripple Voltage Peak to Peak	30 mV
Ripple Current RMS	5 mA
Readback Accuracy Voltage	0.07% + 50 mV
Readback Accuracy Current	0.2% + 11 mA
Load Regulation Voltage	0.01% + 3 mV
Load Regulation Current	0.01% + 5 mA
Line Regulation Voltage	0.01% + 2 mV
Line Regulation Current	0.01% + 2 mA
Programming Resolution Voltage	15 mV
Programming Resolution Current	2.5 mA
Transient Response Time	1 ms
Transient Response Level	5 mV
DC Floating Voltage	±240 V
Size	212.3 mmWx 177.0 mmHx 516.4 mmDNet Weight: 9.6 kg (21 lb)
Shipping Weight	11.4 kg (25 lb)

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	
Specifications	
PARAMETER	VALUE
Number of Outputs	1
GPIB	Yes
Output Voltage	0 to 60 V
Output Current	0 to 10 A
Maximum Power	240 W
Autorangeing Corner V1 I1	60 V, 3.3 A
Autorangeing Corner V2 I2	40 V, 6 A
Autorangeing Corner V3 I3	20 V, 10 A
Programming Accuracy Voltage 25±5 C: 0.035% + 40 mV	
Programming Accuracy Current: 0.09% + 10 mA	
Ripple Voltage RMS 20 Hz to 20 MHz: 3 mV	
Specifications	
PARAMETER	VALUE
Ripple Voltage Peak to Peak	30 mV
Ripple Current RMS	5 mA
Readback Accuracy Voltage	0.07% + 50 mV
Readback Accuracy Current	0.2% + 11 mA
Load Regulation Voltage	0.01% + 3 mV
Load Regulation Current	0.01% + 5 mA
Line Regulation Voltage	0.01% + 2 mV
Line Regulation Current	0.01% + 2 mA
Programming Resolution Voltage	15 mV
Programming Resolution Current	2.5 mA
Transient Response Time	1 ms
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Notes
Specs from Agilent 6030A Series Autoranging data sheet 5990-9297EN, 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

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NIST-traceable calibration · SAM registered ·
30-day returns
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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.