

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6035A DC Power Supply, 500V/5A, 1064W, GPIB

HP Agilent 6035A Autoranging System DC Power Supply The Agilent 6035A is a single-output autoranging GPIB DC power supply in the 1000 W class 603xA family. OEM datasheet ratings are 0 to 500 V and 0 to 5 A with 1050 W maximum power, autoranging corners at 500 V/2 A, 350 V/3 A, and 200 V/5 A for high-voltage system bias. High-voltage ATE bias and burn-in, power electronics characterization up to 500 V, and multi-supply serial-link racks sharing one GPIB address. Autoranging high-voltage 1050 W class output The Agilent 6035A is a single-output autoranging GPIB DC power supply in the 1000 W class 603xA family. OEM datasheet ratings are 0 to 500 V and 0 to 5 A with 1050 W maximum power, autoranging corners at 500 V/2 A, 350 V/3 A, and 200 V/5 A for high-voltage system bias. High-voltage ATE bias and burn-in, power electronics characterization up to 500 V, and multi-supply serial-link racks sharing one GPIB address. Autoranging high-voltage 1050 W class output Analog/resistance programming of voltage and current



MODEL

**Agilent / Keysight
6035A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6035A

LISTING

<https://aumictechlabs.com/products/6035a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6035A is a 1064 W autoranging DC power supply engineered for high-voltage, precision test applications. Single output delivers 0–500 V and 0–5 A across three

autoranging configurations: 500 V/2 A, 350 V/3 A, and 200 V/5 A. Voltage programming accuracy of $\pm 0.25\% + 400 \text{ mV}$ and current accuracy of $\pm 0.3\% + 63 \text{ mA}$ enable demanding ATE environments. The unit features analog and resistance control (0–5 V or 0–4 k Ω input), remote sensing with up to 2 V lead drop tolerance, and built-in measurement readback. GPIB programmability allows daisy-chaining of up to 16 supplies on a single address via serial link. Load regulation holds $\pm 0.01\% + 13 \text{ mV}$ on voltage and $\pm 0.01\% + 35 \text{ mA}$ on current. Transient response settles within 5 ms at 200 mV for 10% step changes. Low output noise of 50 mV RMS and 160 mV peak-to-peak (20 Hz–20 MHz) supports sensitive device testing. Compact footprint (425.5 mm W $\times$ 132.6 mm H $\times$ 503.7 mm D) minimizes rack space. Series and auto-parallel connection topologies enable multi-supply system configurations. Voltage and current readback accuracy of $\pm 0.5\% + 200 \text{ mV}$ and $\pm 0.5\% + 50 \text{ mA}$ support closed-loop verification. Rated for operation to 2000 m altitude and up to 95% relative humidity (Installation Category II, Pollution Degree 2).

6035A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
GPIB	Yes
Output Voltage	0 to 500 V
Output Current	0 to 5 A
Maximum Power	1050 W
Autoranging Corner V1 I	500 V, 2 A
Autoranging Corner V2 I	350 V, 3 A
Autoranging Corner V3 I	200 V, 5 A
Programming Accuracy Current	0.3% + 63 mA
Ripple Voltage RMS 20 Hz to 20 MHz	50 mV
Ripple Voltage Peak to Peak	160 mV
Ripple Current RMS	50 mA
Readback Accuracy Voltage	0.5% + 200 mV
Readback Accuracy Current	0.5% + 50 mA
Load Regulation Voltage	0.01% + 40 mV
Load Regulation Current	0.03% + 34 mA
Line Regulation Voltage	0.03% + 17 mV
Line Regulation Current	0.03% + 17 mA
Programming Resolution Voltage	125 mV
Programming Resolution Current	1.25 mA
Transient Response Time	5 ms
Transient Response Level	200 mV
DC Floating Voltage	±550 V
Size	425.5 mmWx 132.6 mmHx 503.7 mmDNet Weight: 16.3 kg (36 lb)
Shipping Weight	21.8 kg (48 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 500 V
Output Current	0 to 5 A
Maximum Power	1050 W
Autorangeing Corner V1 I1	500 V, 2 A
Autorangeing Corner V2 I2	350 V, 3 A
Autorangeing Corner V3 I3	200 V, 5 A
Programming Accuracy Voltage 25±5 C: 0.25% + 400 mV	
Programming Accuracy Current: 0.3% + 63 mA	
Ripple Voltage RMS 20 Hz to 20 MHz: 50 mV	
Specifications	
PARAMETER	VALUE
Ripple Voltage Peak to Peak	160 mV
Ripple Current RMS	50 mA
Readback Accuracy Voltage	0.5% + 200 mV
Readback Accuracy Current	0.5% + 50 mA
Load Regulation Voltage	0.01% + 40 mV
Load Regulation Current	0.03% + 34 mA
Line Regulation Voltage	0.03% + 17 mV
Line Regulation Current	0.03% + 17 mA
Programming Resolution Voltage	125 mV
Programming Resolution Current	1.25 mA
Transient Response Time	5 ms
Transient Response Level	200 mV
DC Floating Voltage	±550 V

PARAMETER	VALUE
Size	425.5 mmWx 132.6 mmHx 503.7 mmDNet Weight: 16.3 kg (36 lb)
Shipping Weight	21.8 kg (48 lb)

Notes
Specs from Agilent 6030A Series Autoranging data sheet 5990-9297EN, 6035A 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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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