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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6015A Autoranging DC Power Supply

Agilent 6015A Autoranging DC Power Supply 0 to 500 V 0 to 5 A 1050 W The HP/Agilent 6015A is a single-output autoranging DC power supply. OEM autoranging family tables rate 0 to 500 V, 0 to 5 A, and 1050 W, with corner points 500 V, 2 A; 350 V, 3 A; and 200 V, 5 A. This non-GPIB autoranger pairs electrically with the matching system column. 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 6015A is a single-output autoranging DC power supply. OEM autoranging family tables rate 0 to 500 V, 0 to 5 A, and 1050 W, with corner points 500 V, 2 A; 350 V, 3 A; and 200 V, 5 A. This non-GPIB autoranger pairs electrically with the matching system column. 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
6015A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6015A

LISTING

<https://aumictechlabs.com/products/6015a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6015A is a 1050 W autoranging DC power supply engineered for demanding laboratory and system-integration test environments. Its autoranging topology delivers maximum

power across a wide range of voltage and current combinations, eliminating the constraints of traditional fixed-output supplies. The unit operates in both constant voltage (CV) and constant current (CC) modes, with front-panel ten-turn potentiometers enabling precise output adjustment and dual 3½-digit displays providing real-time voltage and current indication.

Technical Specifications

Output Power: 1050 W maximum
Output Voltage: 0 to 500 V
Output Current: 0 to 5 A
Single Output Configuration with autoranging capability
Voltage Regulation: 0.01% + 5 mV
Load Regulation (Voltage): 0.01% + 5 mV
Output Ripple & Noise: 50 mV rms maximum
Programming Resolution (Voltage): 50 mV
Transient Response Time (10% step): 5 ms
DC Floating Voltage: ±550 V (either terminal floatable or grounded)
AC Input: 100/120 Vac (24 A) or optional 220/240 Vac, 47–63 Hz

Key Features

- Adjustable overvoltage protection (OVP) with front-panel trip-level control
- Remote voltage and current programming via analog signals (0–5 V or 0–2500 Ω)
- Remote sensing to compensate for load-lead voltage drops up to 0.5 V per lead
- Overtemperature and AC line protection
- Auto-parallel connection capability with up to two units for increased current
- Auto-series connection capability for increased output voltage
- Rear-panel screw terminals for load connections
- High-efficiency operation

Typical Applications

Device characterization, power integrity testing, load simulation, burn-in testing, and bench-level R&D requiring stable, programmable DC power across diverse voltage and current operating points.

Compatibility & Integration

Supports analog remote programming and sensing. Compatible with daisy-chain configurations for parallel or series operation. Suitable for both standalone benchtop use and integrated test systems.

6015A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Autoranging DC power supply
Series Family	HP Agilent 601× 602× 603x autorangers
Number of Outputs	1
GPIO Interface	No
Output Voltage Rating	0 to 500 V
Output Current Rating	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 Voltage at 25 C	0.25 percent plus 400 mV
Programming Accuracy Current at 25 C	0.3 percent plus 63 mA
Ripple Noise Voltage RMS 20 Hz to 20 MHz	50 mV
Ripple Noise Voltage Peak Peak	160 mV
Ripple Noise Current RMS	50 mA
Load Regulation Voltage	40 mV
Load Regulation Current	0.03 percent plus 34 mA
Line Regulation Voltage	13 mV
Line Regulation Current	0.03 percent plus 17 mA
Transient Response Time 10 Percent Step	5 ms
Transient Response Level	200 mV
Programming Resolution Voltage	125 mV
Programming Resolution Current	1.25 mA
DC Floating Voltage	plus or minus 550 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	425.5 mmWx 132.6 mmHx 516.4 mmDWeight Net: 16.3 kg (36 lb)
AC Input Current Class	24 A at 100/120 Vac class; 15 A at 220 Vac; 14 A at 240 Vac
Paired Family Column	6035A

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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Notes
Electrical rows from HP/Agilent Single-Output Autoranging 200 W to 1000 W catalog tables (system column twin 6035A).

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.