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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 6024A DC power supply, 0-60 Vdc, 0-10 amps

HP Agilent 6024A Autoranging DC Power Supply The HP 6024A is a 200 W autoranging DC power supply with maximums of 60 V and 10 A. OEM operating manual Table 1-1 specifies load and line regulation of 0.01% class plus millivolt/milliamp offsets, remote sense, and analog remote programming. Laboratory and system DC bias needing flexible V-I combinations at 200 W, remote analog programmed ATE rails, and auto-series/auto-parallel multi-unit stacks. Autoranging 200 W output envelope to 60 V / 10 A The HP 6024A is a 200 W autoranging DC power supply with maximums of 60 V and 10 A. OEM operating manual Table 1-1 specifies load and line regulation of 0.01% class plus millivolt/milliamp offsets, remote sense, and analog remote programming. Laboratory and system DC bias needing flexible V-I combinations at 200 W, remote analog programmed ATE rails, and auto-series/auto-parallel multi-unit stacks. Autoranging 200 W output envelope to 60 V / 10 A Adjustable OVP with over-temperature and high line protection



MODEL

HP / Agilent 6024A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6024A

LISTING

<https://aumictechlabs.com/products/6024a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 6024A is an autoranging DC power supply engineered to deliver 200 W across a continuous range of voltage and current combinations. This single-output unit operates from 0 to

60 Vdc and 0 to 10 Adc, with regulation of 0.01% in both Constant Voltage and Constant Current modes. The autoranging architecture eliminates manual range switching - at 20 V the supply delivers 10 A; at 60 V output current reduces to 3.5 A, maintaining constant power delivery across the operating envelope. Technical Specifications Output Voltage: 0–60 Vdc Output Current: 0–10 Adc Maximum Power: 200 W Regulation: 0.01% (CV/CC) Input Power: 104–127 VAC standard; 100 VAC (87–106 VAC, 48–63 Hz), 220 VAC (191–233 VAC, 48–63 Hz), or 240 VAC (208–250 VAC, 48–63 Hz) available Floating Output: Either terminal can be grounded or floated ± 240 Vdc from chassis ground Overvoltage Protection: Front-panel adjustable trip point, 2–64 Vdc range; red LED indicator Remote Programming: Analog signals via 0–5 Vdc or 0–2500 Ω inputs; Option 002 supports resistance, voltage, and current programming Remote Sensing: Supports voltage-drop compensation for improved load regulation Output Monitoring: Buffered 0–5 Vdc proportional output for current indication Key Features Precision ten-turn potentiometers for voltage and current adjustment Dual 3.5-digit front-panel meters for real-time output monitoring CV/CC mode indication via front-panel LEDs Load terminals on front and rear panels; screw-on rear connections Autoranging delivers full 200 W power across all voltage/current settings within the 60 V $\times$ 10 A envelope Typical Applications Laboratory test and characterization of 60 V and 10 A DC circuits Bench-top component and subsystem validation Automated test systems with analog programming and remote sensing requirements Compatibility & Integration Remote programming and sensing capability via analog control signals support integration into automated test stations. Option 002 extends system functionality for resistance, voltage, and current-based control loops.

6024A Characteristics / Specifications

PARAMETER	VALUE
Output Power	200 W autoranging
Maximum Voltage	60 V
Maximum Current	10 A
Load Regulation Voltage	less than 0.01% of output voltage + 3 mV
Load Regulation Current	less than 0.01% of output current + 3 mA
Line Regulation Voltage	less than 0.01% of output voltage + 2 mV
Line Regulation Current	less than 0.01% of output current + 2 mA
PARD Voltage RMS	less than 3 mV (20 Hz to 20 MHz)
PARD Voltage Peak to Peak	less than 30 mV (20 Hz to 20 MHz)
PARD Current RMS	less than 5 mA
Remote Sense Lead Drop	up to 0.5 V per lead
Resistance Programming Range	0 to 2.5 kOhm for zero to full scaleVorlVoltage Programming Range: 0 to 5 V for zero to full scaleVorlResistance Programming Accuracy CV: 0.8% + 2 mV
Resistance Programming Accuracy CC	2.5% + 1 mA
Voltage Programming Accuracy CV	0.2% + 2 mV
Voltage Programming Accuracy CC	1.0% + 2 mA
Programming Response Up Full Load	200 ms to within 60 mV band
Programming Response Down Full Load	300 ms to within 60 mV band
Programming Response Down No Load	600 ms to within 60 mV band
Float Isolation Class	plus or minus 240 V from chassis ground
Size	133.4 mmHx 212.3 mmWx 415.33 mmDA Analog Monitor Current: 0 to 5 V buffered proportional monitor

6024A Specifications

PARAMETER	VALUE
HP Agilent 6024A Autoranging DC Power Supply	Overview
Key Features	Autoranging 200 W output envelope to 60 V / 10 A
Technical Specifications	Output Power: 200 W autoranging
Notes	Specs from HP 6024A Operating and Service Manual Table 1-1 and catalog description for the 6024A autoranging supply.

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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Specs from HP 6024A Operating and Service Manual Table 1-1 and catalog description for the 6024A autoranging supply.	

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.