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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6200B DC Power Supply

Agilent 6200B Lab Series DC Power Supply dual range 0 to 20 V 1.5 A or 0 to 40 V 0.75 A The HP/Agilent 6200B isaLab Series regulated DC power supply. OEM Lab Series catalog rates dual-range output 0 to 20 V at 1.5 A or 0 to 40 V at 0.75 A. Bench and half-rack laboratory DC power, remote programmed systems, and auto-series/parallel stacks. Constant voltage / constant current with automatic crossover The HP/Agilent 6200B isaLab Series regulated DC power supply. OEM Lab Series catalog rates dual-range output 0 to 20 V at 1.5 A or 0 to 40 V at 0.75 A. Bench and half-rack laboratory DC power, remote programmed systems, and auto-series/parallel stacks. Constant voltage / constant current with automatic crossover Front and rear output terminals with automatic sensing



MODEL

**Agilent / Keysight
6200B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6200B

LISTING

<https://aumictechlabs.com/products/6200b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6200B is a regulated DC power supply delivering stable, adjustable output across dual voltage and current ranges. Engineered for benchtop and rack-mount deployment, it combines constant voltage and constant current operation in a single instrument, serving design validation, component testing, and manufacturing environments where precision and reliability are essential. Technical Specifications Output Ranges 0–40 V at 0.75 A 0–20 V at 1.5 A Maximum power output: 30 W Continuously adjustable voltage and current within each range Load & Line Regulation Constant Voltage: $\leq 0.01\% + 4 \text{ mV (load)}$; $\leq 0.01\% + 4 \text{ mV (line)}$ Constant Current:

$\leq 0.03\% + 250 \mu\text{A}$ (load); $\leq 0.01\% + 250 \mu\text{A}$ (line) Ripple and Noise Constant Voltage: $< 200 \mu\text{V}_{\text{rms}}$ Constant Current: $< 500 \mu\text{A}_{\text{rms}}$ Output Stability Constant Voltage: $< 0.10\% + 5 \text{ mV}$ over 8 hours (post 30-minute warm-up) Constant Current: $< 0.10\% + 2.5 \text{ mA}$ (40 V range) or 5 mA (20 V range) over 8 hours Temperature Performance Operating range: 0°C to 50°C Storage range: -40°C to $+85^\circ\text{C}$ Temperature coefficient CV: $< 0.02\% + 1 \text{ mV}/^\circ\text{C}$ Temperature coefficient CC: $< 0.02\% + 0.5 \text{ mA}/^\circ\text{C}$ (40 V) or $1 \text{ mA}/^\circ\text{C}$ (20 V) Output Impedance (Constant Voltage) DC to 1 kHz: $< 0.02 \Omega$ 1 kHz to 100 kHz: $< 0.5 \Omega$ 100 kHz to 1 MHz: $< 3.0 \Omega$ Transient Recovery $< 50 \mu\text{s}$ to within 10 mV following full load current change Input Power 105–125 VAC / 210–250 VAC, single phase, 50–400 Hz

Key Features Dual-range output with independent voltage and current adjustment Low output impedance across audio and lower RF frequencies Front and rear terminal options with automatic sensing - no strap configuration required Floating or grounded operation up to 300 V off ground Remote sensing terminals for load-end voltage regulation Remote programming via external voltage or resistance source High-speed programming capability

Typical Applications Device characterization and component validation Power supply design and testing Laboratory bench work requiring adjustable, stable DC output Manufacturing test stations

Compatibility & Integration The 6200B accommodates both front and rear load connections via automatic sensing, eliminating the need for internal modifications. Remote sensing allows compensation for lead losses in distributed setups. Programming interfaces support external voltage or resistance control for automated test sequences.

6200B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Lab Series regulated DC power supply
Series Family	HP Lab Series 6200B family
Load Regulation Voltage	0.01 percent plus 4 mV
Load Regulation Current	0.03 percent plus 250 μ A
Line Regulation Voltage	0.01 percent plus 4 mV
Line Regulation Current	0.01 percent plus 250 μ A
Ripple Noise Voltage RMS	200 μ V
Ripple Noise Current RMS	500 μ A
Transient Recovery Time	less than 50 μ s to within 10 mV after full load step
Temperature Coefficient Voltage	less than 0.02 percent plus 1 mV per $^{\circ}$ CStability Voltage 8 Hour: less than 0.1 percent plus 5 mV after 30 min warm-up
Stability Current 8 Hour	less than 0.15 percent plus 2.5 mA class
Internal Impedance DC to 1 kHz	less than 0.02 ohm
DC Floating Voltage	up to 300 V off ground
AC Input	105 to 125 / 210 to 250 Vac, 50 to 400 Hz class
Size	3.5 inHx 12.75 inDx 8.5 inWhalf rack
Cooling	convection
Metering	multiple range front panel meter
Output Mode	dual range selectable
Output Range Low	0 to 20 V at 0 to 1.5 A
Output Range High	0 to 40 V at 0 to 0.75 A
Maximum Power Class	about 30 W
Programming Speed Class	30 V per ms between 1 V and rated output
Weight Class	14 lb net / 19 lb shipping
Input Power Class	about 0.9 A, 70 W

6200B Specifications

PARAMETER	VALUE
Front and rear output terminals with automatic sensing	Remote sensing and remote programming
Technical Specifications	Instrument Type: Lab Series regulated DC power supply
Notes	From HP Catalog Specialized 6200 Series Power Supplies Lab Series tables for Model 6200B.

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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Metering	multiple range front panel meter
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Maximum Power Class	about 30 W
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Weight Class	14 lb net / 19 lb shipping
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Notes

From HP Catalog Specialized 6200 Series Power Supplies Lab Series tables for Model 6200B.

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.