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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6206B DC Power Supply

Agilent 6206B Lab Series DC Power Supply dual range 0 to 30 V 1 A or 0 to 60 V 0.5 A The HP/Agilent 6206B isaLab Series regulated DC power supply. OEM Lab Series catalog rates dual-range 0 to 30 V at 1 A or 0 to 60 V at 0.5 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 6206B isaLab Series regulated DC power supply. OEM Lab Series catalog rates dual-range 0 to 30 V at 1 A or 0 to 60 V at 0.5 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
6206B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6206B

LISTING

<https://aumictechlabs.com/products/6206b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6206B is a compact DC power supply delivering dual-range voltage output with exceptional load and line regulation. It has 0–60 V @ 0.5 A or 0–30 V @ 1 A, making it suitable for laboratory, manufacturing, and field applications requiring stable, programmable power. Built-in short-circuit protection, adjustable current limiting, and remote programming capabilities enable integration into automated test systems and complex measurement setups. Technical Specifications Output Performance Voltage output: 0–60 V @ 0.5 A OR 0–30 V @ 1 A (dual-range) Load regulation: <0.01% + 4 mV (full load to no load) Line regulation: <0.01% + 4 mV (input

voltage variation) Ripple and noise: $<200\text{ }\mu\text{V rms}$ Stability: $<0.10\% + 5\text{ mV}$ (8-hour drift at constant ambient, line voltage, and load; after 30 min warm-up) Internal impedance (constant voltage mode): $<0.02\text{ }\Omega$ (DC–1 kHz); $<0.5\text{ }\Omega$ (1 kHz–100 kHz) Input Power AC voltage: 105–125 VAC / 210–250 VAC, single phase Frequency: 50–400 Hz Power consumption: $\approx 70\text{ W}$, 0.85 A at 115 VAC, 60 Hz, full load Environmental Operating temperature: 0 to 50°C Storage temperature: –40 to +85°C Temperature coefficient: $<0.02\% + 1\text{ mV}/^\circ\text{C}$ Key Features Fixed short-circuit protection activating at $\approx 110\%$ rated load current Adjustable current limit via internal resistor modification or ten-turn controls (CV/CC models) Remote programming for automated test integration Low output impedance across DC to 100 kHz bandwidth Compact form factor: 89 mm H $\times$ 216 mm W $\times$ 317 mm D; 4.5 kg Typical Applications Component testing, power supply validation, laboratory bench work, production line test integration, and systems requiring stable, programmable DC power with remote control. Compatibility & Integration Remote programming interfaces enable connection to automated test equipment and data acquisition systems. Dual voltage/current range supports diverse load configurations within a single compact instrument.

6206B 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 30 V at 0 to 1 A
Output Range High	0 to 60 V at 0 to 0.5 A
Maximum Power Class	30 W
Weight Class	12 lb net / 17 lb shipping
Input Power Class	about 1.0 A, 66 W
Current Limit Class	about 1.2 A on 30 V range; 600 mA on 60 V range

PARAMETER	VALUE
Meter Ranges Class	0 to 7 V, 0 to 70 V, 0 to 0.12 A, 0 to 1.2 A

6206B 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 6206B.

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

From HP Catalog Specialized 6200 Series Power Supplies Lab Series tables for Model 6206B.

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