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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6205C DC Power Supply

Agilent 6205C Lab Series DC Power Supply dual 0 to 20 V 0.6 A or 0 to 40 V 0.3 A per side
The HP/Agilent 6205C isaLab Series regulated DC power supply. OEM Lab Series tables for the dual-output 6205 family rate each side 0 to 20 V at 0.6 A or 0 to 40 V at 0.3 A with independent or combined modes. 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 6205C isaLab Series regulated DC power supply. OEM Lab Series tables for the dual-output 6205 family rate each side 0 to 20 V at 0.6 A or 0 to 40 V at 0.3 A with independent or combined modes. 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
6205C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6205C

LISTING

<https://aumictechlabs.com/products/6205c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6205C is a dual-output DC power supply engineered for precision testing, development, and bench applications. Each output operates independently with selectable voltage ranges (0–20 Vdc or 0–40 Vdc) and corresponding current limits (0–0.6 A or 0–0.3 A). The supply delivers exceptional load and line regulation - both better than 0.01% + 4 mV - with low ripple and noise at 200 μ V rms and 1 mV peak-to-peak. Technical Specifications Output Configuration: Dual independent outputs; supports series, auto-series, parallel, and auto-parallel

operation Voltage Ranges: 0–20 Vdc (0–0.6 A) or 0–40 Vdc (0–0.3 A) per output Load Regulation: $<0.01\% + 4 \text{ mV}$ (full load to no load) Line Regulation: $<0.01\% + 4 \text{ mV}$ (across rated input voltage) Ripple & Noise: 200 μV rms; 1 mV peak-to-peak Temperature Coefficient: $<0.02\% + 1 \text{ mV}/^\circ\text{C}$ Operating Temperature: 0 to 50°C Input Power (115 V, 60 Hz, full load): 31 W at 0.35 A Input Voltage: 115 Vac $\pm 10\%$ or 230 Vac $\pm 10\%$ (factory set for 115 Vac) Input Frequency: 48–440 Hz Key Features 10-turn potentiometers for fine voltage control Built-in volt-ampere meter with selectable measurement functions Remote voltage programming via external source or resistance Remote sensing to compensate load lead voltage drops Front and rear output terminals on each channel for flexible connectivity Passive convection cooling with no moving parts Compact form factor: 8 × 3.5 × 12.625 inches; 10 lbs net weight 19-inch relay rack mountable; two units fit side-by-side Temperature-stable operation with minimal drift Typical Applications Bench power for component characterization and circuit development Automated test equipment (ATE) power distribution Precision bias supply for semiconductor testing Multi-point voltage/current sourcing in production test environments Compatibility & Integration Auto-tracking and series/parallel operation modes enable flexible multi-supply configurations. Remote programming and sensing interfaces support integration into automated test systems. Input selectivity (115 Vac or 230 Vac) accommodates global deployment.

6205C 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
Number of Outputs	2 independent dual range
Output Range Low Per Side	0 to 20 V at 0 to 0.6 A
Output Range High Per Side	0 to 40 V at 0 to 0.3 A
Series Parallel Combinations	up to 80 V or 1.2 A class combinations listed in catalog
Maximum Power Class Per Side	about 12 W
Weight Class	10 lb net / 13 lb shipping class
Input Power Class	about 0.5 A, 50 W

PARAMETER	VALUE
Tracking Modes	auto series parallel tracking supported

6205C 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 Lab Series dual-output 6205 family catalog rows; C revision shares the dual-range envelope.

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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Transient Recovery Time	less than 50 us to within 10 mV after full load step
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Tracking Modes	auto series parallel tracking supported

Notes

From HP Lab Series dual-output 6205 family catalog rows; C revision shares the dual-range envelope.

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>

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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.