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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6212B DC Power Supply

Agilent 6212B Bench Series DC Power Supply 0 to 100 V 0 to 0.1 A The HP/Agilent 6212B isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 100 V and 0 to 0.1 A. General purpose laboratory DC bias, student benches, and low-power circuit development. Constant voltage / constant current bench supply The HP/Agilent 6212B isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 100 V and 0 to 0.1 A. General purpose laboratory DC bias, student benches, and low-power circuit development. Constant voltage / constant current bench supply Coarse and fine concentric voltage and current controls



MODEL

**Agilent / Keysight
6212B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6212B

LISTING

[https://aumictechlabs.c
om/products/6212b-2/](https://aumictechlabs.com/products/6212b-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6212B is a discontinued DC power supply designed for laboratory testing and measurement applications requiring stable, adjustable voltage and current output. Built on the proven 6000 series platform, this unit delivers up to 100 V and 0.1 A with 10 W total power output, supported by exceptional line and load regulation of better than 0.01% + 4 mV. The supply features two 3½-digit displays for continuous monitoring of voltage and current levels, front-panel controls for output adjustment and overvoltage protection (OVP) programming, and LED state indicators. Autoranging topology using 20 kHz pulse-width modulation with power MOSFETs enables full output power across a wider voltage-current combination than conventional designs.

Internal impedance remains below $0.02\ \Omega$ from DC to 1 kHz, ensuring low source impedance for precision load testing.

Technical Specifications

Output voltage: 0–100 V Output current: 0.1 A maximum Power output: 10 W Line regulation: $<0.01\% + 4\text{ mV}$ (constant voltage) Load regulation: $<0.01\% + 4\text{ mV}$ (full to no-load) Internal impedance: $<0.02\ \Omega$ (DC to 1 kHz) Operating temperature range: 0–50°C Voltage ripple and noise: 8 mV (rms) / 50 mV (peak-peak)

Key Features

Autoranging capability with 20 kHz PWM switching for optimized power delivery Dual $3\frac{1}{2}$ -digit displays for voltage and current indication Overvoltage Protection (OVP) with user-settable trip threshold and energy interrupt LED indicators for CV, CC, Unregulated, and Overvoltage states Front-panel push-button switching between programmed and OVP values Rear-panel screw-on terminals for all connections Class I safety design with protective earth terminal Bench or relay rack mounting options

Typical Applications

Laboratory bench testing, equipment development, circuit characterization, and general-purpose DC supply where precision voltage and current control with built-in protection are required.

Compatibility & Integration

Remote programming capability via rear-panel connections enables integration with automated test systems and external measurement equipment. Stable output impedance and tight regulation specifications support demanding analog circuits and sensitive device testing.

6212B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Bench Series regulated DC power supply
Series Family	HP Bench Series 6212B 6214B 6216B 6218B
Output Voltage Rating	0 to 100 V
Output Current Rating	0 to 0.1 A
Maximum Power Class	10 W
Operating Modes	constant voltage and constant current
Load Regulation Voltage Class	0.01 percent plus millivolt class per manual
Line Regulation Voltage Class	0.01 percent plus millivolt class per manual
Ripple Noise Voltage Class	low millivolt RMS typical of series regulator benches
Stability Voltage 8 Hour	less than 0.1 percent plus 5 mV after 30 min warm-up
AC Input	115 Vac plus or minus 10 percent, 48 to 440 Hz class
AC Input Alternate	230 Vac operation supported by reconnection
Controls	concentric coarse and fine voltage and current
Metering	switched voltage and current ranges
Cooling	convection
Mounting	bench case
Overload Protection	CV/CC crossover limiting
Floating Output	either terminal may be grounded
Remote Programming	resistance programming terminals on family units
Remote Sensing	available on rear barrier strip class
Temperature Operating	0 to 55 C class
Manual Family	5950-1928 Bench Series

6212B Specifications

PARAMETER	VALUE
Applications	General purpose laboratory DC bias, student benches, and low-power circuit development.
Front panel binding posts for lab connections	Series regulator design for low noise
Technical Specifications	Instrument Type: Bench Series regulated DC power 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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Notes	
Voltage/current ratings from HP Bench Series Operating and Service Manual family (6212B/6214B/6216B/6218B) and matching A/C revision OEM listings. Confirm letter revision on faceplate.	

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.