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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6218A DC Power Supply

Agilent 6218A Bench Series DC Power Supply 0 to 50 V 0 to 0.2 A The HP/Agilent 6218A isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 50 V and 0 to 0.2 A. General purpose laboratory DC bias, student benches, and low-power circuit development. Constant voltage / constant current bench supply The HP/Agilent 6218A isaBench Series regulated DC power supply. OEM operating and service manual family tables rate 0 to 50 V and 0 to 0.2 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
6218A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6218A

LISTING

[https://aumictechlabs.c
om/products/6218a-2/](https://aumictechlabs.com/products/6218a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6218A is a benchtop DC power supply delivering 0–60 V and 0–3 A with up to 180 W output power. Built for laboratory and manufacturing test environments, it combines excellent voltage and current regulation with sub-millivolt noise performance, enabling precise power delivery for component characterization and system validation. Technical Specifications Output Ratings Voltage: 0 to 60 V Current: 0 to 3 A Power: Up to 180 W Regulation Performance Voltage Load Regulation: <0.01% + 3 mV Voltage Line Regulation: <0.01% + 3 mV Current Load Regulation: <0.02% + 2 mA Current Line Regulation: <0.02% + 2 mA Temperature Coefficient (Voltage): <50 ppm/°C Temperature Coefficient (Current): <100 ppm/°C Output Noise Voltage

RMS: <1 mV RMS Voltage Peak-to-Peak: <5 mV peak-to-peak Setup Time: <1 ms Protection
Overvoltage Protection (OVP): Programmable, $\pm 5\%$ of rated voltage plus 5 V Overcurrent
Protection (OCP): Programmable, $\pm 5\%$ of rated current plus 5 mA Input Specifications AC Input:
100 V to 240 V AC, 47 Hz to 63 Hz Input Current: Typically 0.95 at full load Efficiency: >75% at full
loadKey Features Front panel rotary encoders and push buttons for voltage, current, and
protection limit adjustment Digital LED or LCD display for real-time output voltage, current, and
protection status monitoring Rear panel analog control interface supporting external voltage
command (0–5 V or 0–10 V) Remote sense terminals for load-end voltage regulation Standard
binding posts for device connection Forced-air cooling with internal fan Half-rack benchtop
chassisTypical Applications Component characterization and validation testing Electronic
subsystem power delivery in R&D and manufacturing Benchtop design engineering workstations
Quality control testing in production environmentsCompatibility & Integration The 6218A accepts
100–240 V AC input (47–63 Hz) with integrated power factor correction. Analog control via rear-
panel terminals enables integration with external command sources and automated test systems.
Remote sense capability ensures regulation accuracy at the load terminals.

6218A 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 50 V
Output Current Rating	0 to 0.2 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

6218A 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.