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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 6521A DC POWER SUPPLY 0-1000V / 0.2A

The HP 6521A is a classic HP DC power supply in the 6500-series family for laboratory and system DC sourcing. OEM HP catalog literature positions 6521A-class supplies for regulated DC output with metered front panel controls and remote programming paths on the series. Laboratory DC bias, ATE rack power, and general purpose regulated DC sourcing matched to the faceplate voltage/current ratings. Remote sense and programming class on series Instrument Family: HP 6521A DC power supply Laboratory DC bias, ATE rack power, and general purpose regulated DC sourcing matched to the faceplate voltage/current ratings. Remote sense and programming class on series Instrument Family: HP 6521A DC power supply Metering: voltage and current meters class



MODEL

HP / Agilent 6521A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6521A

LISTING

<https://aumictechlabs.com/products/6521a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 6521A is a Series HVR DC power supply delivering stable, adjustable output from 0–1000 V at 0–200 mA. Built for precision high-voltage applications, this convection-cooled unit operates silently without forced air cooling. Front-panel analog meters provide direct voltage and current readouts, while precision thumbwheel controls enable repeatable setpoints. Technical Specifications Output: 0–1000 V dc, 0–200 mA Input: 105–125 V ac, 50–500 cps; 4 A maximum,

270 W consumption Load regulation (constant voltage): $<0.005\% + 10 \text{ mV}$ Load regulation (constant current): $<2\%$ or mA Line regulation (constant voltage): $<0.001\% + 10 \text{ mV}$ (105–125 V ac range) Line regulation (constant current): $<1 \text{ mA}$ Ripple and noise (constant voltage): $<1 \text{ mV rms}$ Ripple and noise (constant current): $<2 \text{ mA rms}$ Transient recovery: $<50 \text{ }\mu\text{sec}$ to 0.005% or 20 mV (whichever greater) Temperature coefficient (constant voltage): $0.12\% + 1 \text{ mV}/^\circ\text{C}$ post warm-up Temperature coefficient (constant current): $0.2\% + 0.1 \text{ mA}/^\circ\text{C}$ post warm-up 8-hour stability (constant voltage): $0.036\% + 3 \text{ mV drift}$ 8-hour stability (constant current): $0.25\% + 0.5 \text{ mA drift}$ Calibration accuracy: 1% of voltage control setting Key Features Three-decade thumbwheel voltage selector with 0.002% vernier resolution Single-turn potentiometer current control Integrated 0–1 kV and 0–200 mA analog meters Convection cooling; no moving parts except meter movement Operating temperature: $0\text{--}50^\circ\text{C}$ Storage temperature: -20 to $+70^\circ\text{C}$ Typical Applications High-voltage DC applications demanding low ripple, fast transient response, and long-term output stability. Test benches requiring manual voltage/current adjustment with direct panel metering.

6521A Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	HP 6521A DC power supply
Operating Modes	CV/CC class
Metering	voltage and current meters class
Remote Sense	yes class on family
Remote Programming	analog/resistance class on family
Form Factor	rack/bench class
AC Input	mains powered selectable voltage class
OVP	available on family class
Front Panel Controls	voltage and current
Output Terminals	front and/or rear class
Cooling	convection or fan class
Series Family	HP 6500
Status Indicators	CV/CC class
Floating Output Class	yes within ratings
Operating Temperature Class	laboratory
Protection	current limit OVP class
Load Regulation Class	specified on model table
Line Regulation Class	specified on model table
Ripple Class	specified on model table
Transient Response Class	specified on model table
Stability Class	specified on model table
Operating temperature	Class: laboratory

6521A Specifications

PARAMETER	VALUE
HP Agilent 6521A DC Power Supply	Overview
Key Features	HP 6500-series regulated DC architecture
Metered voltage and current	CV/CC operation class
Technical Specifications	Instrument Family: HP 6521A DC power supply

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory
Operating Temperature	Class: laboratory
Operating Temperature Class	laboratory
Protection	current limit OVP class
Load Regulation Class	specified on model table
Line Regulation Class	specified on model table
Ripple Class	specified on model table
Transient Response Class	specified on model table
Stability Class	specified on model table Notes Identity and family capability rows from HP 6521A catalog literature. Confirm exact V/I ratings on the unit faceplate and operating manual before quoting numeric limits.

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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Stability Class	specified on model table
Notes	
Identity and family capability rows from HP 6521A catalog literature. Confirm exact V/I ratings on the unit faceplate and operating manual before quoting numeric limits.	

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.