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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 6296A DC POWER SUPPLY 0-60V / 0-3A

The HP 6296A is a classic HP system/laboratory DC power supply in the 6200-series high power family. OEM HP DC power supply catalog literature positions 6296A-class units for higher voltage programmable or metered DC sourcing in ATE and laboratory racks. Laboratory and ATE DC sourcing, burn-in bias, and general purpose high power DC supply applications matched to the unit faceplate ratings. HP 6200-series system DC power architecture Remote sensing and programming paths on series Laboratory and ATE DC sourcing, burn-in bias, and general purpose high power DC supply applications matched to the unit faceplate ratings. HP 6200-series system DC power architecture Remote sensing and programming paths on series

Instrument Family: HP 6296A DC power supply



MODEL

HP / Agilent 6296A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

6296A

LISTING

<https://aumictechlabs.com/products/6296a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 6296A is a convection-cooled, half-rack DC power supply delivering 0–60 VDC at 0–3 A (180 W). Purpose-built for constant voltage and constant current laboratory and test applications, it combines precision 10-turn potentiometers with automatic CV-to-CC mode crossover. Floating output topology permits positive or negative sourcing. Load and line regulation reach 0.01% + 1 mV for voltage and 0.05% + 1 mA for current. Output noise is held to 500 μ V rms

(CV mode) and 3 mA rms (CC mode). Remote sensing and programming are supported, as are auto-series, auto-parallel, and auto-tracking configurations. Front and rear output terminals provide convenient access in confined benchtop or rack environments. Technical Specifications Output: 0–60 VDC, 0–3 A, 180 W Voltage regulation (load/line): 0.01% + 1 mV Current regulation (load/line): 0.05% + 1 mA Ripple and noise (20 Hz–20 MHz): 500 μ V rms (CV), 25 mV p-p (CV), 3 mA rms (CC) Control: Individual 10-turn potentiometers for voltage and current Crossover: Automatic CV to CC Input: 110 VAC; 115/230 VAC selectable Dimensions: 210 mm W $\times$ 131 mm H $\times$ 435 mm D (half-rack, 5.25 in) Weight: 11.3 kg (25 lb) Operating temperature: 0–55°C Cooling: Convection Key Features Floating output enables positive or negative operation Remote sensing minimizes load-end voltage drops Programming interface for automated test sequences Automatic mode crossover eliminates manual intervention Compact half-rack footprint for space-constrained labs Typical Applications Device and component characterization Burn-in and reliability testing Battery and fuel cell simulation Industrial and laboratory bench use Compatibility & Integration Supports auto-series, auto-parallel, and auto-tracking modes for multi-unit configurations. Remote sensing and programming interfaces facilitate integration into larger test systems.

6296A Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	HP 6296A DC power supply
Topology	series regulated or SCR class per 6200 family generation
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 mount
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	forced air class
Series Family	HP 6200
Status Indicators	CV/CC class
Floating Output Class	yes within ratings
Operating Temperature Class	laboratory/ATE
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
Operating temperature	Class: laboratory/ATE

6296A Specifications

PARAMETER	VALUE
HP Agilent 6296A DC Power Supply	Overview
Key Features	HP 6200-series system DC power architecture
Metered voltage and current class	CV/CC operation class
Rack mount form factor class	Remote sensing and programming paths on series
Technical Specifications	Instrument Family: HP 6296A DC power supply

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: laboratory/ATE
Operating Temperature	Class: laboratory/ATE
Operating Temperature Class	laboratory/ATE
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 Notes Identity and family capability rows from HP 6296A / 6200-series catalog literature. Confirm exact V/I ratings ripple and regulation on the unit faceplate and manual; do not invent ampere/volt numbers without the model table.

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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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.