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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6294A DC Power Supply

Agilent 6294A Single Output DC Power Supply 0 to 60 V 0 to 1 A The HP/Agilent 6294A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 60 V and 0 to 1 A (60 W class). Bench and half-rack system DC power with remote sense/program and auto-series/parallel. Constant voltage / constant current with automatic crossover The HP/Agilent 6294A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 60 V and 0 to 1 A (60 W class). Bench and half-rack system DC power with remote sense/program and auto-series/parallel. Constant voltage / constant current with automatic crossover Coarse and fine voltage and current controls (ten-turn on select models)



MODEL

**Agilent / Keysight
6294A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6294A

LISTING

<https://aumictechlabs.com/products/6294a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6294A is a compact DC power supply delivering 0 to 60 VDC at 0 to 1 A output, designed for electronic testing, circuit development, and low-power device characterization. Dual-mode operation supports both constant voltage and constant current delivery, with integrated metering for real-time voltage and current monitoring. The instrument features a 10-turn voltage control potentiometer and a dual-range front-panel meter covering 0–7 V, 0–70 V, 0–0.12 A, and 0–1.2 A ranges. Built-in overvoltage and overcurrent protection safeguard connected loads. Remote programming capability enables integration into automated test

systems. Though discontinued, the 6294A remains operational for legacy applications and specialized testing requirements.

Technical Specifications

Output Voltage: 0 to 60 VDC
Output Current: 0 to 1 A
Operation Modes: Constant Voltage / Constant Current
Front Panel Meter: Dual-range, 0–7 V / 0–70 V / 0–0.12 A / 0–1.2 A
Voltage Control: 10-turn potentiometer
Protection: Overvoltage and overcurrent
Remote Programming: Supported

Key Features

- Precision voltage and current metering for circuit-level diagnostics
- Compact form factor suited to lab benches and test stations
- Dual-range front-panel meter eliminates frequent scale switching
- Safety Class I construction with three-conductor grounding requirement
- Independent constant-voltage and constant-current regulation modes

Typical Applications

- Small-signal circuit testing and characterization
- Sensor power and validation
- Low-power device development and troubleshooting
- Educational laboratory use

Compatibility & Integration

Remote programming support allows integration into automated measurement systems and test sequences. The 6294A is a legacy product; Keysight's E3645A series offers current-generation equivalents for new system designs.

6294A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	0 to 60 V
Output Current Rating	0 to 1 A
Maximum Power Class	60 W
Load Effect Transient Recovery	50 us; 15 mV level
Meter Accuracy	3 percent of full scale
AC Input Standard	115 Vac plus or minus 10 percent
Size	87 × 209 × 398 mm
Floating Output	use as positive or negative source
Remote Sensing	yes
Remote Programming	yes
Auto Series	yes
Auto Parallel	yes
Auto Tracking	yes
Rack Kit 3.5 in	HP 14513A / 14523A class for 3.5 in models
Rack Kit 5.25 in	HP 14515A / 14525A class for 5.25 in models
Regulator Type	series or series/SCR preregulator by power class
Meter Function Switch	four position X1 and X0.1 voltage or current

6294A Specifications

PARAMETER	VALUE
Front and rear output terminals	Remote sensing and programming with auto-series/parallel/tracking
Technical Specifications	Instrument Type: Single output CV/CC DC power supply
Notes	Ten-turn voltage control model in catalog. Model-specific V/I from HP catalog / HPWiki OEM listings for this model number only.

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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Maximum Power Class	60 W
Load Effect Transient Recovery	50 us; 15 mV level
Meter Accuracy	3 percent of full scale
AC Input Standard	115 Vac plus or minus 10 percent
Size	87 x 209 x 398 mm
Floating Output	use as positive or negative source
Remote Sensing	yes
Remote Programming	yes
Auto Series	yes
Auto Parallel	yes
Auto Tracking	yes
Option 011 Crowbar: available	
Option 028: 230 Vac input	
Option 005: 50 Hz ac input optimization	
Specifications	
PARAMETER	VALUE
Rack Kit 3.5 in	HP 14513A / 14523A class for 3.5 in models
Rack Kit 5.25 in	HP 14515A / 14525A class for 5.25 in models
Regulator Type	series or series/SCR preregulator by power class
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Notes

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Ordering Information

OPTION	DESCRIPTION
Option 011	Crowbar: available

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.