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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6289A DC Power Supply

Agilent 6289A Single Output DC Power Supply 0 to 40 V 0 to 1.5 A The HP/Agilent 6289A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 40 V and 0 to 1.5 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 6289A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 40 V and 0 to 1.5 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
6289A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6289A

LISTING

<https://aumictechlabs.com/products/6289a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6289A is a benchtop DC power supply delivering 0–40 Vdc at 0–1.5 A (60 W) in constant voltage or constant current modes. Dual coarse and fine controls enable precise adjustment of voltage and current outputs, while a front-panel analog meter - switchable between voltage and current - displays operation across selectable ranges. The supply accepts 115/230 Vac input (48–440 Hz, 110 W) and routes power via front-panel 5-way binding posts or rear barrier terminal strip. Flexible grounding architecture allows outputs to float up to 300 V off chassis ground or be tied to ground as required. Remote sensing and remote programming via

resistance or voltage source inputs on the rear terminal strip enable automated test sequences and feedback control. Series and parallel operation with tracking is supported through rear terminal connections. Optional 10-turn potentiometers, decadal controls, and internal overvoltage protection expand control and safety capabilities for specialized applications.

Technical Specifications

Output: 0–40 Vdc, 0–1.5 A, 60 W maximum

Operating Modes: Constant Voltage (CV) / Constant Current (CC)

Voltage Meter Ranges: 5 V and 50 V full scale

Current Meter Ranges: 0.18 A and 1.8 A full scale

Input Power: 115/230 Vac, 48–440 Hz, 110 W

Dimensions: 209 × 87 × 398 mm (8-7/32" W × 3-7/16" H × 15-5/8" D)

Weight: 6.4 kg (14 lb)

Key Features

- Dual coaxial coarse/fine voltage and current controls
- Four-position rotary switch for meter range selection
- Floating output capability to 300 V off ground
- Remote sensing and resistance/voltage remote programming
- Front and rear output connections (binding posts and barrier terminal strip)
- Series/parallel operation with tracking support
- Optional 10-turn potentiometers or decadal voltage/current controls
- Optional internal overvoltage crowbar protection

Typical Applications

- Component testing and characterization
- Bench development and prototyping
- Automated test systems with remote programming
- Applications requiring isolated or floating power rails

Compatibility & Integration Related

Keysight/Agilent platforms include the 6281A, E364xA Series, N8700/N8900/N5700 Series, and E36200/E36300 Series. Predecessor HP 6289A units are electrically equivalent.

6289A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	0 to 40 V
Output Current Rating	0 to 1.5 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

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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PARAMETER	VALUE
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	0 to 40 V
Output Current Rating	0 to 1.5 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 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
Meter Function Switch	four position X1 and X0.1 voltage or current

Notes

HPWiki/OEM: 0 to 40 Vdc, 0 to 1.5 A (meter to 1.8 A FS). Model-specific V/I from HP catalog / HPWiki OEM listings for this model number only.

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.