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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6299A DC Power Supply

Agilent 6299A Single Output DC Power Supply 0 to 100 V 0 to 0.75 A The HP/Agilent 6299A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 100 V and 0 to 0.75 A (75 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 6299A is a single-output CV/CC DC power supply in the HP 6281A–6299A medium-power family. OEM catalog ratings are 0 to 100 V and 0 to 0.75 A (75 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
6299A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6299A

LISTING

<https://aumictechlabs.com/products/6299a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6299A is a benchtop DC power supply delivering 0–100V at 0–0.75A (75W total) with automatic constant voltage/constant current crossover. Though manufacturer-obsolete, it remains viable for low-power circuit characterization, sensor testing, and integrated circuit validation requiring stable, regulated output. Technical Specifications Output Performance Voltage: 0–100V DC Current: 0–0.75A DC Power: 75W Load regulation (CV): <0.01% + 2mV Load regulation (CC): <0.01% + 250μA Line regulation (CV): <0.01% + 2mV Line regulation (CC): <0.01% + 250μA Ripple and noise (CV): <200μV rms Ripple and noise (CC): <500μA rms Stability (CV): <0.10% +

2.5mV over 8 hours post warm-up Stability (CC): $<0.10\% + 2\text{mA}$ over 8 hours post warm-up
Temperature coefficient (CV): $<0.01\% + 2.5\text{mV}/^{\circ}\text{C}$ Temperature coefficient (CC): $<0.02\% + 0.4\text{mA}/^{\circ}\text{C}$
Transient recovery: $<50\mu\text{s}$ to within 15mV after rated current step change Source Impedance (Constant Voltage) DC–100Hz: $<0.001\Omega$ 100Hz–1kHz: $<0.01\Omega$ 1kHz–100kHz: $<0.2\Omega$ 100kHz–1MHz: $<2.0\Omega$
Key Features 10-turn front panel voltage adjustment Continuously variable current control across full output range Front panel meter selectable for voltage or current display Remote sensing and remote programming supported Auto-series, auto-parallel, and auto-tracking modes Front and rear output terminals Floating output (positive or negative source capability) Half-rack case with bench or rack mounting options
Typical Applications Low-power device characterization Sensor testing and validation Integrated circuit development and troubleshooting Quality assurance and burn-in testing
Environmental Operating temperature: $0\text{--}50^{\circ}\text{C}$ | Storage temperature: -20 to $+85^{\circ}\text{C}$

6299A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	0 to 100 V
Output Current Rating	0 to 0.75 A
Maximum Power Class	75 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

6299A 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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PARAMETER	VALUE
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	0 to 100 V
Output Current Rating	0 to 0.75 A
Maximum Power Class	75 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

Ten-turn voltage control model in catalog. 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.