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**Data Sheet**

August 14, 2026

AGILENT / KEYSIGHT

## Agilent/Keysight 6291A DC Power Supply

Agilent 6291A Single Output DC Power Supply 0 to 40 V 0 to 5 A The HP/Agilent 6291A 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 5 A (200 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 6291A 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 5 A (200 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  
6291A****CALIBRATION****Available on  
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****6291A****LISTING**<https://aumictechlabs.com/products/6291a-2/>

NIST-traceable cal

SAM registered

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NAICS 423690 • 811210 • 541380

### This unit

The Keysight 6291A is a precision DC power supply delivering 0–40 V and 0–5 A across a 200 W output envelope. Designed for laboratory, production, and R&D environments, this half-rack instrument combines tight voltage and current regulation with low ripple performance and fast transient recovery. Auto-crossover operation transitions between constant voltage and constant current modes, while remote sensing and programmable control enable integration into automated test systems. Technical Specifications Output Ratings Voltage: 0–40 V DC Current: 0–5 A DC Power: 200 W Line and Load Regulation CV mode: 0.01% + 1 mV CC mode: 0.05% + 1 mA Ripple

and Noise (20 Hz–20 MHz) CV mode: 500  $\mu$ V RMS, 25 mV peak-to-peak CC mode: 3 mA RMS  
Transient Performance Recovery time: <50  $\mu$ s to within 15 mV following full-scale current step  
Output impedance: 0.001  $\Omega$  with 1  $\mu$ H series inductance Power Input 115 V AC standard; 230 V AC  
(Option 18) availableKey Features Dual 10-turn controls for voltage and current adjustment Front  
and rear output terminals Floating output for positive or negative sourcing Remote sensing  
provision for load regulation Remote programming via external voltage or resistance Auto-series,  
auto-parallel, and auto-tracking capabilities Auto-crossover CV/CC operation Multiple range  
meters for output monitoring Zero overshoot on turn-on, turn-off, or power removal Convection  
cooling; light gray panel with dark gray casePhysical Specifications Dimensions: 210 mm W  $\times$  131  
mm H  $\times$  435 mm D (8.25 in  $\times$  5.16 in  $\times$  17.13 in) Weight: 11.3 kg (25 lb) Form factor: 5.5-inch, half-  
rack widthCompatibility & Integration Rack mounting kits: 14513A, 14523A Crowbar overvoltage  
protection option available Product Status: Discontinued. This model is obsolete.

## 6291A 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 5 A                                         |
| Maximum Power Class            | 200 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                           | 131 × 210 × 435 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     |

# 6291A 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                           | 5.25 in half-rack SCR-preregulator class. 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                          |                                                  |
|-----------------------------------------|--------------------------------------------------|
| 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 5 A                                         |
| Maximum Power Class                     | 200 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                                    | 131 x 210 x 435 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

5.25 in half-rack SCR-preregulator class. 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](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
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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.