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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6290A DC Power Supply

Agilent HP 6290A DC Power Supply 40 V 3 A The HP/Agilent 6290A is a medium-power CV/CC DC supply rated 40 V at 3 A in the HP 6281A to 6299A family. OEM listings describe constant-voltage/constant-current operation with remote sensing, remote programming, and Auto-Series / Auto-Parallel / Auto-Tracking interconnection. Laboratory and ATE DC bias to 40 V 3 A, multi-supply tracking racks, and remotely sensed/programmed loads. Auto-Series Auto-Parallel Auto-Tracking operation The HP/Agilent 6290A is a medium-power CV/CC DC supply rated 40 V at 3 A in the HP 6281A to 6299A family. OEM listings describe constant-voltage/constant-current operation with remote sensing, remote programming, and Auto-Series / Auto-Parallel / Auto-Tracking interconnection. Laboratory and ATE DC bias to 40 V 3 A, multi-supply tracking racks, and remotely sensed/programmed loads. Auto-Series Auto-Parallel Auto-Tracking operation Instrument Type: Single output CV/CC DC power supply



MODEL

**Agilent / Keysight
6290A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6290A

LISTING

<https://aumictechlabs.com/products/6290a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6290A is a regulated DC power supply delivering 0–40 V and 0–3 A output with automatic crossover between constant voltage and constant current modes. Built on silicon circuitry and rated for 115 VAC input, this MPB-5 series instrument provides stable, protected power for laboratory and industrial test applications. The floating output design with front and rear panel terminals supports remote sensing and programming, enabling integration into automated

test systems. Auto-series, auto-parallel, and auto-tracking capabilities expand operational flexibility. Short-circuit protection is standard; optional crowbar overvoltage protection is available. Front and rear metering provides real-time voltage and current visibility. Transient recovery time is less than 50 μ s for output voltage to settle within 15 mV following load current changes. The unit is rack-mountable and exhibits no overshoot on power transitions. Dimensions are 18 × 12 × 12 inches; weight is 25.1 lbs.

Technical Specifications

Output Voltage: 0–40 V DC
Output Current: 0–3 A DC
AC Input: 115 VAC
Operation Mode: Constant Voltage/Constant Current with auto-crossover
Programming Coefficient (CC): 0.66 mA
Transient Recovery Time: <50 μ s (within 15 mV of nominal voltage)
Dimensions: 18 × 12 × 12 inches
Weight: 25.1 lbs
Panel Finish: Light gray with dark gray case

Key Features

All-silicon construction for reliability
Multiple-range meters for voltage and current monitoring
Floating output for flexible grounding schemes
Front and rear output terminals
No overshoot on turn-on, turn-off, or power removal
Short-circuit protection built-in
Optional crowbar overvoltage protection
Remote sensing for accurate load-point voltage delivery
Remote programming capability
Rack-mountable form factor

Compatibility & Integration

Auto-series operation for voltage extension
Auto-parallel operation for current extension
Auto-tracking operation for synchronized multi-supply configurations
Remote sensing and programming interfaces for system integration

6290A Characteristics / Specifications

PARAMETER	VALUE
Model	6290A
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	40 V
Output Current Rating	3 A
Maximum Power Class	120 W
Operating Modes	constant voltage and constant current
Remote Sensing	yes
Remote Programming	yes
Auto Series	yes
Auto Parallel	yes
Auto Tracking	yes
Floating Output	use as positive or negative source
Load Effect Transient Recovery Class Family	50 us class on related 628x sheets
Meter Accuracy Class Family	3 percent of full scale
Ac Input Standard Class Family	115 Vac plus or minus 10 percent
Line Option 0	230 Vac input
Crowbar Option Class Family	Option 011 available on family
Front Output	binding posts class
Rear Output	barrier strip for sense programming and tracking
Meter Function Switch Class Family	voltage or current ranges
Overload Protection	CV/CC crossover
Cooling	convection or fan per revision
Size Class Family Medium Power	about 87 × 209 × 398 mm class on related half-rack sheets when applicable

6290A Specifications

PARAMETER	VALUE
Agilent HP 6290A DC Power Supply 40 V 3 A	Overview
Applications	Laboratory and ATE DC bias to 40 V 3 A, multi-supply tracking racks, and remotely sensed/programmed loads.
Key Features	CV/CC operation at 40 V 3 A
Technical Specifications	Model: 6290A

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
Model	6290A
Instrument Type	Single output CV/CC DC power supply
Series Family	HP 6281A to 6299A
Output Voltage Rating	40 V
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Maximum Power Class	120 W
Operating Modes	constant voltage and constant current
Remote Sensing	yes
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Auto Series	yes
Auto Parallel	yes
Auto Tracking	yes
Floating Output	use as positive or negative source
Load Effect Transient Recovery Class Family	50 us class on related 628x sheets
Meter Accuracy Class Family	3 percent of full scale
Ac Input Standard Class Family	115 Vac plus or minus 10 percent
Line Option 028	230 Vac input
Crowbar Option Class Family	Option 011 available on family
Front Output	binding posts class
Rear Output	barrier strip for sense programming and tracking
Meter Function Switch Class Family	voltage or current ranges
Overload Protection	CV/CC crossover
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Notes

Ratings 40 V at 3 A and CV/CC remote-sense/program/auto-series/parallel/tracking from Keysight-Agilent 6290A OEM product description. Family meter/AC/option rows from HP 6281A-6299A catalog class.

Ordering Information

OPTION	DESCRIPTION
Option 011	available on family

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.