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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6034A DC Power Supply, 60V/10A, 200 Watt

Agilent 6034A System Autoranging DC Power Supply 0 to 60 V 0 to 10 A 200 W The HP/Agilent 6034A is a 200 W autoranging system DC power supply. OEM product literature rates 0 to 60 V and 0 to 10 A with microprocessor-based HP-IB programming and FET switching technology. Automated test racks needing autoranging 60 V / 10 A class DC power with HP-IB control. Autoranging 200 W envelope across voltage and current settings The HP/Agilent 6034A is a 200 W autoranging system DC power supply. OEM product literature rates 0 to 60 V and 0 to 10 A with microprocessor-based HP-IB programming and FET switching technology. Automated test racks needing autoranging 60 V / 10 A class DC power with HP-IB control. Autoranging 200 W envelope across voltage and current settings HP-IB system programming with internal microprocessor



MODEL

**Agilent / Keysight
6034A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6034A

LISTING

<https://aumictechlabs.com/products/6034a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6034A is a 200 W autoranging DC power supply delivering 0–60 Vdc at 0–10 Adc for laboratory and system test applications. FET switching topology enables full power availability across the entire voltage–current operating envelope without manual range switching. The unit has HP-IB (IEEE-488) programmability for voltage, current, and overvoltage protection

settings, plus integrated measurement capability for closed-loop control and real-time monitoring of output conditions.

Technical Specifications

Output Range: 0–60 Vdc / 0–10 Adc (200 W maximum)

Programming Resolution: 15 mV voltage (12-bit); 2.5 mA current (12-bit)

Programming Accuracy (25 ±5°C): ±0.07% ±28 mV (CV mode); ±0.085% ±12.5 mA (CC mode)

Output Impedance: Typically 1 mΩ series with 30 μH; <1 Ω below 1 MHz DC

Output Isolation: ±240 Vdc from ground

Overvoltage Protection: Local range 1.7–64.5 V (0.2 V resolution); remote range 2.0–64.5 V (0.25 V resolution); ±0.7 V accuracy

AC Input: 104–127 Vac (standard)

Operating Environment: ≤95% RH, up to 2000 m altitude, indoor Category II, Pollution Degree 2

Cooling: Internal fan with thermal management

Key Features

- Autoranging topology eliminates manual band switching for flexible voltage–current combinations
- 12-bit programming resolution enables fine control across full output range
- HP-IB interface supports remote voltage and current programming plus OVP adjustment
- HP-IB measurement feedback allows real-time monitoring of actual output voltage and current
- Programmable overvoltage protection with dual adjustment modes (local and remote)
- Built-in overload and short-circuit protection
- Service Request (SRQ) capability for fault notification

Typical Applications

- Component and subsystem bench testing requiring stable 60 V/10 A output
- Automated test systems with closed-loop voltage or current control
- Development and validation of power-sensitive circuits and modules
- Laboratory evaluation of loads across the full 200 W operating range

Compatibility & Integration

HP-IB (IEEE-488) connectivity enables integration into instrumentation systems and ATE environments. Output impedance characteristics support both steady-state and dynamic load conditions with minimal ripple across standard test frequencies.

6034A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Autoranging system DC power supply
Series Family	HP 6034 system autoranger
Number of Outputs	1
GPIB Interface	Yes HP-IB
Output Voltage Rating	0 to 60 V
Output Current Rating	0 to 10 A
Maximum Power	200 W
Autoranging Capability	maximum rated power over wide V/I combinations
Programming Path	HP-IB microprocessor based
Regulation Technology	FET switching with autoranging
Remote Sensing	supported in system configurations
Overvoltage Protection	front panel OVP adjust
AC Input Option Standard	104 to 127 Vac, 47 to 66 Hz, 5.4 A class
AC Input Option 1	87 to 106 Vac, 47 to 66 Hz, 6.3 A Japan class
AC Input Option 2	191 to 233 Vac, 47 to 66 Hz, 3.0 A
Rack Option 9	rack mount kit with handles
Documentation Option 9	service manual and extra operating manual
Output Power Class	200 W autoranging
Voltage Current Envelope	0 to 60 V concurrent with 0 to 10 A within 200 W
System Role	comprehensive HP-IB system power supply
Sense Lead Support	remote sense for load regulation
Floating Operation	either terminal may be grounded per family practice
Family Peer	superseded electrically by later 6038A 240 W class in catalogs

6034A Specifications

PARAMETER	VALUE
Applications	Automated test racks needing autoranging 60 V / 10 A class DC power with HP-IB control.
Key Features	Autoranging 200 W envelope across voltage and current settings
FET switching technology for autoranging efficiency	Remote sensing and analog programming paths typical of 603x family
Technical Specifications	Instrument Type: Autoranging system DC power supply

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	Autoranging system DC power supply
Series Family	HP 6034 system autoranger
Number of Outputs	1
GPiB Interface	Yes HP-IB
Output Voltage Rating	0 to 60 V
Output Current Rating	0 to 10 A
Maximum Power	200 W
Autoranging Capability	maximum rated power over wide V/I combinations
Programming Path	HP-IB microprocessor based
Regulation Technology	FET switching with autoranging
Remote Sensing	supported in system configurations
Overvoltage Protection	front panel OVP adjust
AC Input Option Standard	104 to 127 Vac, 47 to 66 Hz, 5.4 A class
AC Input Option 100	87 to 106 Vac, 47 to 66 Hz, 6.3 A Japan class
AC Input Option 220	191 to 233 Vac, 47 to 66 Hz, 3.0 A
AC Input Option 240	209 to 250 Vac, 47 to 66 Hz, 3.0 A
Rack Option 908	rack mount kit
Rack Option 909	rack mount kit with handles
Documentation Option 910	service manual and extra operating manual
Output Power Class	200 W autoranging
Voltage Current Envelope	0 to 60 V concurrent with 0 to 10 A within 200 W
System Role	comprehensive HP-IB system power supply
Sense Lead Support	remote sense for load regulation
Floating Operation	either terminal may be grounded per family practice
Family Peer	superseded electrically by later 6038A 240 W class in catalogs

Notes

HP 6034A system autoranging literature: 0 to 60 V, 0 to 10 A, 200 W with HP-IB. Confirm exact ripple/accuracy rows on the unit faceplate or 6034A operating manual before upload if finer limits are required.

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.