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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6034L DC Power Supply

Agilent 6034L System Autoranging DC Power Supply 0 to 60 V 0 to 10 A 200 W The HP/Agilent 6034L 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 6034L 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
6034L**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6034L

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6034L is a 200 W autoranging DC power supply engineered for burn-in, QA, ATE, research, design, and educational testing environments. Its linear topology delivers low-noise, stable output across 0–60 V and 0–10 A without manual range switching, making it suitable for sensitive circuit characterization and development work. Autoranging maintains full 200 W capability across the voltage–current operating envelope. Programming resolution reaches 15 mV (voltage) and 2.5 mA (current) on 12-bit control. Output stabilization is 0.01%, with internal

resistance below 1 mOhm as a voltage source, ensuring tight regulation for precision applications. Technical Specifications Power Output: 200 W maximum Voltage Range: 0 to 60 V Current Range: 0 to 10 A Autoranging: Yes (maintains 200 W across all voltage–current combinations) Topology: Linear Programming Resolution: 15 mV (voltage), 2.5 mA (current) Output Stabilization: 0.01% Internal Resistance: <1 mOhm (as voltage source) AC Input: 104 to 127 Vac EMI Suppression: VDE0871 / 6.78 / A Key Features Autoranging operation eliminates manual range selection Precise 12-bit programmable voltage and current control Low output impedance ensures stable sourcing to variable loads Linear design minimizes output noise for sensitive measurements HP-IB (IEEE-488) programming and measurement interface Over-Voltage Protection (OVP) programmable via HP-IB Class 1 safety with protective earth terminal Typical Applications Device burn-in and endurance testing Quality assurance and automated test equipment (ATE) Research and development bench work Educational laboratory demonstrations Compatibility & Integration HP-IB (IEEE-488) interface enables remote programming of voltage, current, and OVP settings, plus voltage and current measurement. The 6034L is part of the Agilent/Keysight 6034 series family. Design conforms to Installation Category II, Pollution Degree 2 environments up to 2000 m altitude and 95% relative humidity.

6034L 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

6034L 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

Limited front panel version; same 60 V / 10 A / 200 W autoranging envelope as 6034A. 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.