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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6032A DC Power Supply

HP Agilent 6032A Autoranging System DC Power Supply The Agilent 6032A is a 60 V / 50 A autoranging GPIB DC supply with 1200 W maximum power. OEM autoranging corners are 60 V/17.5 A, 40 V/30 A, and 20 V/50 A, covering mid-voltage system bias needs in the 603xA family. Mid-voltage high-power ATE bias, automotive and industrial electronics power testing, and multi-supply racks using serial GPIB linking. Remote sensing and analog modulation programming The Agilent 6032A is a 60 V / 50 A autoranging GPIB DC supply with 1200 W maximum power. OEM autoranging corners are 60 V/17.5 A, 40 V/30 A, and 20 V/50 A, covering mid-voltage system bias needs in the 603xA family. Mid-voltage high-power ATE bias, automotive and industrial electronics power testing, and multi-supply racks using serial GPIB linking. Remote sensing and analog modulation programming Same 3U full-rack outline as 6030A/6031A/6035A

MODEL Agilent / Keysight 6032A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 6032A	LISTING https://aumictechlabs.com/products/6032a-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight 6032A is a 1064 W autoranging DC power supply engineered for test systems demanding high power and precise voltage/current control. Single-output design with continuously variable 0–60 Vdc and 0–50 A capability delivers maximum power across multiple operating points: 60 V at 17.5 A, 40 V at 30 A, and 20 V at 50 A. Programming accuracy reaches ±0.035% + 40 mV on voltage and ±0.2% + 85 mA on current.Load regulation holds voltage to 5

mV and current to 10 mA. Ripple and noise stay below 8 mV rms and 40 mV peak-to-peak across the 20 Hz to 20 MHz band. The unit integrates GPIB (IEEE 488) control with SCPI command support, enabling integration of up to 16 supplies through a single GPIB address via serial link.Remote sensing accommodates up to 2 V lead drop while maintaining regulation performance. Internal fan cooling, Safety Class 1 construction, and compact dimensions (133 mm H × 426 mm W × 504 mm D) suit laboratory, system integration, and field engineering applications. Input: 104–127 Vac, 48–63 Hz.Technical Specifications Output voltage: 0–60 Vdc Output current: 0–50 A Power output: 1064 W Autoranging capability: 60 V/17.5 A, 40 V/30 A, 20 V/50 A Programming accuracy (voltage): ±0.035% + 40 mV Programming accuracy (current): ±0.2% + 85 mA Readback accuracy (voltage): ±0.08% + 20 mV Readback accuracy (current): ±0.36% + 35 mA Load regulation (voltage): 5 mV; (current): 10 mA Line regulation (voltage): 0.01% + 5 mV Ripple and noise (20 Hz–20 MHz): 8 mV rms / 40 mV peak-to-peak (voltage); 25 mA rms (current) Transient response (10% step): 2 ms @ 150 mV Remote sensing: up to 2 V per lead Input: 104–127 Vac, 48–63 HzKey Features GPIB (IEEE 488) interface with SCPI command support Serial link capability for multi-supply configurations (up to 16 units per address) Remote sensing for extended lead lengths Internal fan cooling Safety Class 1, protective earth terminalTypical Applications Automated test equipment and system integration High-current circuit validation and stress testing Engineering bench applications requiring variable powerCompatibility & Integration GPIB connectivity and VXI Plug&Play driver support enable integration into existing automated test frameworks. Multiple units chain via serial link for scalable multi-supply systems.

6032A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
GPIB	Yes
Output Voltage	0 to 60 V
Output Current	0 to 50 A
Maximum Power	1200 W
Autoranging Corner V1 I	60 V, 17.5 A
Autoranging Corner V2 I	40 V, 30 A
Autoranging Corner V3 I	20 V, 50 A
Programming Accuracy Current	0.2% + 85 mA
Ripple Voltage RMS	8 mV
Ripple Voltage Peak to Peak	40 mV
Ripple Current RMS	25 mA
Readback Accuracy Voltage	0.08% + 20 mV
Readback Accuracy Current	0.36% + 35 mA
Load Regulation Voltage	5 mV
Load Regulation Current	0.01% + 10 mA
Line Regulation Voltage	0.01% + 3 mV
Programming Resolution Voltage	15 mV
Programming Resolution Current	12.5 mA
DC Floating Voltage	±240 V
Transient Response Time	2 ms
Transient Response Level	100 mV
Size	425.5 mmWx 132.6 mmHx 503.7 mmDNet Weight: 16.3 kg (36 lb)

6032A Specifications

PARAMETER	VALUE
HP Agilent 6032A Autoranging System DC Power Supply	Overview
Key Features	Autoranging 1200 W class output
Protection features for DUT safety	Same 3U full-rack outline as 6030A/6031A/6035A
Technical Specifications	Number of Outputs: 1
Notes	Specs from Agilent 6030A Series Autoranging data sheet 6032A column.

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
Programming Accuracy Current	0.2% + 85 mA
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Ripple Voltage Peak to Peak	40 mV
Ripple Current RMS	25 mA
Readback Accuracy Voltage	0.08% + 20 mV
Readback Accuracy Current	0.36% + 35 mA
Load Regulation Voltage	5 mV
Load Regulation Current	0.01% + 10 mA
Line Regulation Voltage	0.01% + 3 mV
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Programming Resolution Current	12.5 mA
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Specifications

PARAMETER	VALUE
Number of Outputs	1
GPIB	Yes
Output Voltage	0 to 60 V
Output Current	0 to 50 A
Maximum Power	1200 W
Autoranging Corner V1 I1	60 V, 17.5 A
Autoranging Corner V2 I2	40 V, 30 A

PARAMETER	VALUE
Autoranging Corner V3 I3	20 V, 50 A

Programming Accuracy Voltage 25±5 C: 0.035% + 40 mV

Specifications

PARAMETER	VALUE
Programming Accuracy Current	0.2% + 85 mA
Ripple Voltage RMS	8 mV
Ripple Voltage Peak to Peak	40 mV
Ripple Current RMS	25 mA
Readback Accuracy Voltage	0.08% + 20 mV
Readback Accuracy Current	0.36% + 35 mA
Load Regulation Voltage	5 mV
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Notes
Specs from Agilent 6030A Series Autoranging data sheet 6032A column.

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

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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.