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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6030A DC Power Supply 0-200V/0-17A, 1000W

HP Agilent 6030A Autoranging System DC Power Supply The Agilent 6030A is a single-output autoranging GPIB DC power supply in the 1000 W class 603xA family. OEM datasheet ratings are 0 to 200 V and 0 to 17 A with 1200 W maximum power, autoranging corners at 200 V/5 A, 120 V/10 A, and 60 V/17 A, plus built-in measurements and analog programming. ATE DC bias where one supply must cover wide V/I combinations, burn-in and power-device characterization, and multi-supply serial-link systems sharing one GPIB address. The Agilent 6030A is a single-output autoranging GPIB DC power supply in the 1000 W class 603xA family. OEM datasheet ratings are 0 to 200 V and 0 to 17 A with 1200 W maximum power, autoranging corners at 200 V/5 A, 120 V/10 A, and 60 V/17 A, plus built-in measurements and analog programming. ATE DC bias where one supply must cover wide V/I combinations, burn-in and power-device characterization, and multi-supply serial-link systems sharing one GPIB address. Autoranging output maximizing power across voltage settings



MODEL

**Agilent / Keysight
6030A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6030A

LISTING

<https://aumictechlabs.com/products/6030a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6030A is a 1200 W single-output DC power supply delivering 0–200 V at 0–17 A with autoranging capability across three operating points. Designed for demanding test

systems, it combines programmable voltage and current control with built-in measurement functions, GPIB interface connectivity, and industry-standard SCPI command support for seamless laboratory and production integration.

Technical Specifications

Output Ratings

Voltage: 0–200 V Current: 0–17 A Maximum Power: 1200 W Autoranging Output 200 V at 5 A 120 V at 10 A 60 V at 17 A

Programming Accuracy (25°C ±5°C)

Voltage: 0.035% + 145 mV Current: 0.2% + 25 mA

Readback Accuracy (25°C ±5°C)

Voltage: 0.08% + 80 mV Current: 0.36% + 15 mA

Ripple & Noise (20 Hz–20 MHz)

Voltage RMS: 22 mV Voltage Peak-to-Peak: 50 mV Current RMS: 15 mA

Regulation & Response

Load Regulation: 0.01% + 5 mV Line Regulation: 0.01% + 5 mV Transient Response (10% step): 2 ms Remote Sensing: up to 2 V drop per lead

AC Input Options: 87–106 VAC (75% derated), 104–127 VAC, 191–233 VAC, or 209–250 VAC, 50/60 Hz Input Current: 24 A (at 100 VAC)

Key Features

Autoranging outputs maximize available power across operating points Analog and resistance control modes for voltage and current Built-in voltage and current measurement capability GPIB programmable interface with SCPI command support DUT protection features Series and parallel connection support with up to 16 supplies via single GPIB address

Compatibility & Integration

The 6030A accepts industry-standard SCPI commands and includes VXI Plug&Play driver support. Multiple units scale through serial link configuration, enabling automated multi-supply test configurations. Compact dimensions (425.5 mm W × 132.6 mm H × 503.7 mm D) and 16.3 kg weight support flexible rack mounting.

6030A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
GPIB	Yes
Output Voltage	0 to 200 V
Output Current	0 to 17 A
Maximum Power	1200 W
Autoranging Corner V1 I	200 V, 5 A
Autoranging Corner V2 I	120 V, 10 A
Autoranging Corner V3 I	60 V, 17 A
Programming Accuracy Current	0.2% + 25 mA
Ripple Voltage RMS	22 mV
Ripple Voltage Peak to Peak	50 mV
Ripple Current RMS	15 mA
Readback Accuracy Voltage	0.08% + 80 mV
Readback Accuracy Current	0.36% + 15 mA
Load Regulation Voltage	0.01% + 5 mV
Load Regulation Current	0.01% + 10 mA
Line Regulation Voltage	0.01% + 5 mV
Programming Resolution Voltage	50 mV
Programming Resolution Current	4.25 mA
DC Floating Voltage	±550 V
Size	425.5 mmWx 132.6 mmHx 503.7 mmDNet Weight: 16.3 kg (36 lb)

6030A Specifications

PARAMETER	VALUE
HP Agilent 6030A Autoranging System DC Power Supply	Overview
Key Features	Autoranging output maximizing power across voltage settings
Technical Specifications	Number of Outputs: 1

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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Notes

Specs from Agilent 6030A Series Autoranging 200 and 1000 W DC Power Supplies data sheet. Transient response 2 ms to 150 mV for 10% step per sheet.

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.