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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6823A DC Power Supply

Storage Temperature Class: minus 40 C to 75 C Remote Interface Class: digital or analog program Regulation Class: line and load regulation Identity from Agilent/Keysight 6823A DC Power Supply listings. Exact voltage and current ratings are on the 6823A nameplate and manual. Remote Interface Class: digital or analog program Regulation Class: line and load regulation Identity from Agilent/Keysight 6823A DC Power Supply listings. Exact voltage and current ratings are on the 6823A nameplate and manual.



MODEL

**Agilent / Keysight
6823A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6823A

LISTING

<https://aumictechlabs.com/products/6823a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6823A is a dual-function DC power supply and power amplifier designed for precision power delivery in laboratory and R&D environments. It operates in two distinct modes: as a regulated power supply with tight load regulation, or as a linear amplifier with extended frequency response. The instrument combines stable DC output with low-noise amplification, making it suitable for applications requiring both static bias and dynamic signal conditioning. Rear barrier strip terminals provide direct access to control points, enabling expanded operational flexibility and integration into custom test setups. Technical Specifications Power Supply Mode Output voltage: -20 VDC to +20 VDC Output current: 0 A to 0.5 A Load regulation: 0.02% + 5 mV Power Amplifier Mode Output voltage: 40 VDC Output current: 0.05 A Gain: 20 dB (DC to 20 kHz) Signal-to-noise ratio: 80 dB at full output Distortion: Low distortion Key Features Dual-mode

operation - power supply and power amplifier in one instrument High-precision load regulation for stable DC delivery Flat gain response from DC through 20 kHz 80 dB SNR for low-noise signal conditioning Direct access to control points via rear barrier strip Symmetric output voltage range for bipolar sourcing Typical Applications Electronic component characterization and bias Precision amplification of low-level DC and AC signals Research and development of analog circuits Sensor excitation and signal conditioning Laboratory power sourcing with extended control flexibility Compatibility & Integration The 6823A works with standalone operation or integration into laboratory measurement systems. Rear barrier strip connections allow direct interfacing with external control circuits and instrumentation. This is a discontinued product; Agilent support is no longer available, though authorized service centers may provide calibration services.

6823A Characteristics / Specifications

PARAMETER	VALUE
Model	6823A
Instrument Type	DC power supply
Manufacturer	HP Agilent Keysight
Modes	constant voltage constant current
Form Factor	system supply module or half rack
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Line Power	100/120/220/240 V
Humidity Class	non condensing
Remote Interface Class	digital or analog program
Duty	continuous
Grounding	floating output class
Cooling	forced air
Mass Class	system module
Calibration	V/I cal
Safety	OVP and current limit
Display	voltage current meters class
Regulation Class	line and load regulation
Ripple Class	low ripple CV
Sense	remote sense class
Protection	OVP OCP
Stability	low drift
Polarity	positive rail class
Programming	digital programming class
Accuracy Class	programming accuracy

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Humidity	Class: non condensing

6823A Specifications

PARAMETER	VALUE
Agilent HP 6823A DC Power Supply	Overview
Applications	ATE DC rail programming, device bias, and general laboratory DC power with remote programming.
Technical Specifications	Model: 6823A
Notes	Identity from Agilent/Keysight 6823A DC Power Supply listings. Exact voltage and current ratings are on the 6823A nameplate and manual.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to 75 C
Operating temperature	Class: 0 C to 55 C
Operating Temperature	Class: 0 C to 55 C
Humidity	Class: non condensing
Operating Temperature Class	0 C to 55 C
Storage Temperature Class	minus 40 C to 75 C
Line Power	100/120/220/240 V
Humidity Class	non condensing
Remote Interface Class	digital or analog program
Duty	continuous
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Mass Class	system module
Calibration	V/I cal
Safety	OVP and current limit
Display	voltage current meters class
Regulation Class	line and load regulation
Ripple Class	low ripple CV
Sense	remote sense class
Protection	OVP OCP
Stability	low drift
Polarity	positive rail class
Programming	digital programming class
Accuracy Class	programming accuracy Notes Identity from Agilent/Keysight 6823A DC Power Supply listings. Exact voltage and current ratings are on the 6823A nameplate and manual.

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	
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Notes

Identity from Agilent/Keysight 6823A DC Power Supply listings. Exact voltage and current ratings are on the 6823A nameplate and manual.

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.