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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6834B DC Power Supply

Agilent Keysight 6834B AC Power Source 4500 VA total / 1500 VA per phase The Agilent/Keysight 6834B is a high-power AC power source in the 6814/6834/6843 family. OEM specifications rate 4500 VA total / 1500 VA per phase with 150/300 V ranges. High-power AC product test, IEC immunity source applications, and three-phase simulation where supported. Built-in measurements of V_I power and harmonics The Agilent/Keysight 6834B is a high-power AC power source in the 6814/6834/6843 family. OEM specifications rate 4500 VA total / 1500 VA per phase with 150/300 V ranges. High-power AC product test, IEC immunity source applications, and three-phase simulation where supported. Built-in measurements of V_I power and harmonics Single or three-phase configurations by model



MODEL

**Agilent / Keysight
6834B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6834B

LISTING

<https://aumictechlabs.com/products/6834b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6834B is a versatile signal generator the demanding requirements of modern electronic testing. Featuring a broad frequency range, It has stable and accurate signal generation for component and system-level testing. Its modulation capabilities include AM, FM, and PM, allowing for comprehensive signal simulation. With its user-friendly interface and solid design, the 6834B is an excellent choice for engineers and technicians needing a reliable signal source.

Features & description

From manufacturer datasheet

Built-in measurements of VIp power and harmonics

GPIB system control High crest factor current capability Single or three-phase configurations by model
 Technical Specifications Instrument Type: AC power source Series Family: Agilent 6814B 6834B 6843A
 Number of Phases: 3 (1.5 kVA per phase; 4.5 kVA single-phase mode) Rated Power: 4500 VA total /
 1500 VA per phase RMS Voltage Ranges: 150 V low; 300 V high RMS Current Low Range: 10 A RMS
 Current High Range: 5 A Repetitive Peak Current Low Range: 40 A Repetitive Peak Current High Range:
 20 A Crest Factor: 4 Output Frequency Range: 45 Hz to 5 kHz on 6814B; 45 Hz to 1 kHz on 6834B
 class CV Ripple Noise: minus 60 dB 20 kHz to 10 MHz Measurement Accuracy RMS Current: 0.1
 percent plus 25 to 50 mA by model Measurement Accuracy Frequency: 0.01 percent plus 0.01 Hz
 Measurement Accuracy Power VA: 0.15 percent plus VA offset by model AC Input: 180 to 235 Vac or
 360 to 440 Vac three-phase class 47 to 63 Hz Output Isolation: stated in user guide Remote Interface:
 GPIB VA Versus Voltage: full VA only near full-scale voltage of selected range Measurement Power
 Factor Accuracy: 0.01 Built In Analyzer: VIVA watts PF harmonics class Application Class: high power
 AC source analyzer Notes Keysight 6834B; single-phase mode 30 A / 15 A rms per table.

6834B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	AC power source
Series Family	Agilent 6814B 6834B 6843A
Number of Phases	3 (1.5 kVA per phase; 4.5 kVA single-phase mode)
Rated Power	4500 VA total / 1500 VA per phase
RMS Voltage Ranges	150 V low; 300 V high
RMS Current Low Range	10 A
RMS Current High Range	5 A
Repetitive Peak Current Low Range	40 A
Repetitive Peak Current High Range	20 A
Crest Factor	4
Output Frequency Range	45 Hz to 5 kHz on 6814B; 45 Hz to 1 kHz on 6834B class
CV Ripple Noise	minus 60 dB 20 kHz to 10 MHz
Measurement Accuracy RMS Current	0.1 percent plus 25 to 50 mA by model
Measurement Accuracy Frequency	0.01 percent plus 0.01 Hz
Measurement Accuracy Power VA	0.15 percent plus VA offset by model
AC Input	180 to 235 Vac or 360 to 440 Vac three-phase class 47 to 63 Hz
Output Isolation	stated in user guide
Remote Interface	GPIB
VA Versus Voltage	full VA only near full-scale voltage of selected range
Measurement Power Factor Accuracy	0.01
Built In Analyzer	VIVA watts PF harmonics class
Application Class	high power AC source analyzer

6834B Specifications

PARAMETER	VALUE
Key Features	150 V and 300 V full-scale ranges
Technical Specifications	Instrument Type: AC power source
Notes	Keysight 6834B; single-phase mode 30 A / 15 A rms per table.

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 rate 4500 VA total / 1500 VA per phase with 150/300 V ranges.	
Applications	
High-power AC product test, IEC immunity source applications, and three-phase simulation where supported.	
Key Features	
150 V and 300 V full-scale ranges	
Built-in measurements ofVIpower and harmonics	
GPIB system control	
High crest factor current capability	
Single or three-phase configurations by model	
Technical Specifications	
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PARAMETER	VALUE
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Output Isolation	stated in user guide
Remote Interface	GPIB
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Measurement Power Factor Accuracy	0.01
Built In Analyzer	VIVA watts PF harmonics class

PARAMETER

VALUE

Application Class

high power AC source analyzer

Notes

Keysight 6834B; single-phase mode 30 A / 15 A rms per table.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
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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.