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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6843A DC Power Supply

Agilent Keysight 6843A AC Power Source 4800 VA The Agilent/Keysight 6843A is a high-power AC power source in the 6814/6834/6843 family. OEM specifications rate 4800 VA with 150/300 V ranges. High-power AC product test, IEC immunity source applications, and three-phase simulation where supported. Built-in measurements of VI power and harmonics The Agilent/Keysight 6843A is a high-power AC power source in the 6814/6834/6843 family. OEM specifications rate 4800 VA with 150/300 V ranges. High-power AC product test, IEC immunity source applications, and three-phase simulation where supported. Built-in measurements of VI power and harmonics Single or three-phase configurations by model



MODEL

**Agilent / Keysight
6843A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6843A

LISTING

<https://aumictechlabs.com/products/6843a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6843A is a DC power supply, part of the 6800 series, known for its accuracy and reliability. It features programmable voltage and current limits, remote sensing, and overvoltage protection. The unit is suitable for automated test equipment (ATE) systems and general-purpose laboratory use, offering precise control and monitoring of DC power. Its solid design ensures stable output under varying load conditions, making it a valuable tool for engineers and technicians.

Features & description

From manufacturer datasheet

Built-in measurements of V_I 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: 1 Rated Power: 4800 VA RMS Voltage Ranges: 150 V low; 300 V high RMS Current
Low Range: 32 A RMS Current High Range: 16 A Repetitive Peak Current Low Range: 96 A Repetitive
Peak Current High Range: 48 A Crest Factor: 3 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 6843A AC solutions table.

6843A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	AC power source
Series Family	Agilent 6814B 6834B 6843A
Number of Phases	1
Rated Power	4800 VA
RMS Voltage Ranges	150 V low; 300 V high
RMS Current Low Range	32 A
RMS Current High Range	16 A
Repetitive Peak Current Low Range	96 A
Repetitive Peak Current High Range	48 A
Crest Factor	3
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

6843A Specifications

PARAMETER	VALUE
Agilent Keysight 6843A AC Power Source 4800 VA	Overview
Key Features	150 V and 300 V full-scale ranges
Technical Specifications	Instrument Type: AC power source
Notes	Keysight 6843A AC solutions 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 4800 VA 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	
Technical Specifications	
PARAMETER	VALUE
Instrument Type	AC power source
Series Family	Agilent 6814B 6834B 6843A
Number of Phases	1
Rated Power	4800 VA
RMS Voltage Ranges	150 V low; 300 V high
RMS Current Low Range	32 A
RMS Current High Range	16 A
Repetitive Peak Current Low Range	96 A
Repetitive Peak Current High Range	48 A
Crest Factor	3
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

PARAMETER

VALUE

Application Class

high power AC source analyzer

Notes

Keysight 6843A AC solutions 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

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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.