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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N6952A Advanced Power System-DC Power Supply

Agilent Keysight N6952A Advanced Power System DC Supply The Keysight N6952A is an APS N6900 Series 1 kW system DC power supply. OEM APS N6900 data sheets list autoranging-class voltage/current combinations, 10 percent current sinking without a dissipater, and optional full two-quadrant sinking with N7909A. ATE power, battery emulation adjacent sourcing, and high-dynamic DC bias needing APS measurement and protection features. 10 percent current sink without dissipater The Keysight N6952A is an APS N6900 Series 1 kW system DC power supply. OEM APS N6900 data sheets list autoranging-class voltage/current combinations, 10 percent current sinking without a dissipater, and optional full two-quadrant sinking with N7909A. ATE power, battery emulation adjacent sourcing, and high-dynamic DC bias needing APS measurement and protection features. 10 percent current sink without dissipater Current Sink At 100 Percent With Dissipater: -25 A



MODEL

**Agilent / Keysight
N6952A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6952A

LISTING

<https://aumictechlabs.com/products/n6952a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N6952A is an auto-ranging DC power supply designed for automated test equipment (ATE) and bench-top applications. It has up to 2 kW of output power with excellent

regulation and low noise. The N6952A features fast programming speeds to improve test throughput, along with comprehensive protection features to safeguard your device under test (DUT). Its intuitive front panel and remote interface options, including LXI compliance, make it easy to integrate into existing test systems.

Features & description

From manufacturer datasheet

Built-in voltage and current measurement

10 percent current sink without dissipater Optional N7909A full sink path LAN USB GPIB and analog interfaces class Technical Specifications Model: N6952A Voltage Range: 0 to 40 V Current Maximum: 25 A Power: 1 kW Current Sink At 10 Percent: -2.5 A Current Sink At 100 Percent With Dissipater: -25 A CV Ripple Noise RMS: 1 mV CV Ripple Noise Peak To Peak: 9 mV Load Regulation Voltage: 1.5 mV Load Regulation Current: 1 mA Voltage Programming And Measurement Accuracy: 0.03 percent + 6 mV Series Family: Advanced Power System N6900 Form Factor Class: APS 1 kW rack supply Remote Interfaces Class: LAN USB GPIB analog Instrument Type: programmable system DC power supply Output Characteristic: APS N6900 rated output table Black Box Recorder Option: available as factory BBR option path Power Assistant Software: N7906A supported class Brand Lineage: Agilent / Keysight Operating Context: ATE system DC sourceSettling Time Class: APS N6900 family settling tables Form Factor Height Class: APS 1 kW rack height class Output Channels: 1 Protection Class: OVP OCP OTP class APS Notes From Keysight Advanced Power System N6900 Series Power Supplies data sheet model column for N6952A.

N6952A Characteristics / Specifications

PARAMETER	VALUE
Model	N6952A
Voltage Range	0 to 40 V
Current Maximum	25 A
Power	1 kW
Current Sink At 10 Percent	-2.5 A
Current Sink At 100 Percent With Dissipater	-25 A
CV Ripple Noise RMS	1 mV
CV Ripple Noise Peak To Peak	9 mV
Load Regulation Voltage	1.5 mV
Load Regulation Current	1 mA
Voltage Programming And Measurement Accuracy	0.03 percent + 6 mV
Series Family	Advanced Power System N6900
Form Factor Class	APS 1 kW rack supply
Remote Interfaces Class	LAN USB GPIB analog
Instrument Type	programmable system DC power supply
Output Characteristic	APS N6900 rated output table
Black Box Recorder Option	available as factory BBR option path
Power Assistant Software	N7906A supported class
Brand Lineage	Agilent / Keysight
Operating Context	ATE system DC sourceSettling Time Class: APS N6900 family settling tables
Form Factor Height Class	APS 1 kW rack height class
Output Channels	1
Protection Class	OVP OCP OTP class APS

N6952A Specifications

PARAMETER	VALUE
Agilent Keysight N6952A Advanced Power System DC Supply	Overview
Key Features	1 kW APS N6900 platform
Technical Specifications	Model: N6952A
Notes	From Keysight Advanced Power System N6900 Series Power Supplies data sheet model column for N6952A.

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

From Keysight Advanced Power System N6900 Series Power Supplies data sheet model column for N6952A.

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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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.