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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N6951A Advanced Power System - DC Power Supply

Agilent Keysight N6951A Advanced Power System DC Supply The Keysight N6951A 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 N6951A 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: -50 A



MODEL

**Agilent / Keysight
N6951A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6951A

LISTING

<https://aumictechlabs.com/products/n6951a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent N6951A is a 750W DC power supply designed for automated test environments. It has fast output programming, accurate voltage and current control, and comprehensive built-in measurements. This power supply is suitable for a wide range of applications requiring precise

and reliable DC power. Its advanced features include arbitrary waveform generation, sequencing, and triggering capabilities, making it an excellent choice for demanding test and measurement tasks.

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: N6951A Voltage Range: 0 to 20 V Current Maximum: 50 A Power: 1 kW Current Sink At 10 Percent: -5 A Current Sink At 100 Percent With Dissipater: -50 A CV Ripple Noise RMS: 1 mV CV Ripple Noise Peak To Peak: 9 mV Load Regulation Voltage: 0.75 mV Load Regulation Current: 3 mA Voltage Programming And Measurement Accuracy: 0.03 percent + 3 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 N6951A.

N6951A Characteristics / Specifications

PARAMETER	VALUE
Model	N6951A
Voltage Range	0 to 20 V
Current Maximum	50 A
Power	1 kW
Current Sink At 10 Percent	-5 A
Current Sink At 100 Percent With Dissipater	-50 A
CV Ripple Noise RMS	1 mV
CV Ripple Noise Peak To Peak	9 mV
Load Regulation Voltage	0.75 mV
Load Regulation Current	3 mA
Voltage Programming And Measurement Accuracy	0.03 percent + 3 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

N6951A Specifications

PARAMETER	VALUE
Agilent Keysight N6951A Advanced Power System DC Supply	Overview
Key Features	1 kW APS N6900 platform
Technical Specifications	Model: N6951A
Notes	From Keysight Advanced Power System N6900 Series Power Supplies data sheet model column for N6951A.

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	
PARAMETER	VALUE
Model	N6951A
Voltage Range	0 to 20 V
Current Maximum	50 A
Power	1 kW
Current Sink At 10 Percent	-5 A
Current Sink At 100 Percent With Dissipater	-50 A
CV Ripple Noise RMS	1 mV
CV Ripple Noise Peak To Peak	9 mV
Load Regulation Voltage	0.75 mV
Load Regulation Current	3 mA
Voltage Programming And Measurement Accuracy	0.03 percent + 3 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 N6951A.

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.