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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N7976A Advanced Power System – Dynamic DC Power Supply, 120 V, 16.7 A, 2000 W

Keysight (Agilent) N7976A Advanced Power System – Dynamic DC Power Supply, 120 V, 16.7 A, 2000 W The Keysight N7976A is an N7900 Series Advanced Power System dynamic DC power supply rated 0–120 V / 0–16.7 A / 2 kW in a 2U footprint. High-speed dynamic sourcing and measurement for ATE. Standalone sink to 10% (–1.67 A); with N7909A dissipater, full 100% sink (–16.7 A). GPIB/LAN (LXI)/USB; paralleling to 10 kW. High-speed ATE; continuous source/sink; dynamic mid-voltage power tests. The Keysight N7976A is an N7900 Series Advanced Power System dynamic DC power supply rated 0–120 V / 0–16.7 A / 2 kW in a 2U footprint. High-speed dynamic sourcing and measurement for ATE. Standalone sink to 10% (–1.67 A); with N7909A dissipater, full 100% sink (–16.7 A). GPIB/LAN (LXI)/USB; paralleling to 10 kW. High-speed ATE; continuous source/sink; dynamic mid-voltage power tests.



MODEL

**Keysight / Agilent
N7976A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N7976A

LISTING

<https://aumictechlabs.com/products/n7976a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N7976A Advanced Power System is a 2000 W dynamic DC power supply delivering 120 V at 16.7 A for automated test equipment applications demanding high-speed sourcing and measurement. Built on VersaPower architecture, it executes commands in less than 2 ms and

achieves programming speeds to 500 μ s, delivering test performance up to 100x faster than standard system supplies. The unit combines dual voltage and current measurement with DMM-like accuracy, plus comprehensive power analytics including power, peak power, watt hour, and amp hour measurements.

Technical Specifications
Output Power: 2000 W
Output Voltage: 120 V
Output Current: 16.7 A
Input Voltage: 240 VAC
Single output, 2U rack mount
Command Processing: < 2 ms
Programming Speed: Up to 500 μ s
Measurement Rate: Adjustable for speed/accuracy optimization

Key Features
Two-quadrant operation for power storage testing (full capability with optional N7909A dissipater unit; 10% rated current standalone)
Smooth continuous operation across positive and negative current transitions
Programmable positive and negative current limits and waveforms with automatic down-programming
Paralleling support up to 10 kW with three-wire connection; ensures equal current sharing and mode preservation (CV/CC)
GPIB, USB, and LAN communication interfaces
Rack-mount configuration with optional N7910A kit
Operational Control APS Power Assistant Software (free) for display, setup, and measurement functions
BenchVue Software enabled for PC-based instrument control and automated test building
14585A Control and Analysis Software available (30-day free trial)
Optional Accessories
N7909A Power Dissipater Unit (enables full two-quadrant operation)
N7908A Black-Box Recorder (power event tracking)
Calibration certificates: N7976A-1A7, N7976A-UK6, N7976A-A6J

Features & description

From manufacturer datasheet

Features

• 0–120 V / 0–16.7 A / 2,000 W • Current sink: –1.67 A (10%); –16.7 A with N7909A • Dynamic N7900 Series • Dual V/I measurement; power / Wh / Ah • 2U full-rack; parallel to 10 kW • Interfaces: GPIB, LAN (LXI-Core), USB

N7976A Characteristics / Specifications

PARAMETER	VALUE
Keysight (Agilent) N7976A Advanced Power System	Dynamic DC Power Supply, 120 V, 16.7 A, 2000 W Overview The Keysight N7976A is an N7900 Series Advanced Power System dynamic DC power supply rated 0–120 V / 0–16.7 A / 2 kW in a 2U footprint. High-speed dynamic sourcing and measurement for ATE. Standalone sink to 10% (–1.67 A); with N7909A dissipater, full 100% sink (–16.7 A). GPIB/LAN (LXI)/USB; paralleling to 10 kW.
Model	N7976A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Advanced Power System Dynamic DC Power Supply
Family	N7900 Series APS (2 kW)
Alias	N7976A; N7976A APS DC Output
Voltage	0 to 120 V
Current	0 to 16.7 A
Power	2,000 W
Current sink	–1.67 A (10%); –16.7 A with N7909A
Interfaces	GPIB, LAN (LXI-Core), USB

N7976A Specifications

PARAMETER	VALUE
Key Features	- 0–120 V / 0–16.7 A / 2,000 W
Technical Specifications	Model: N7976A
DC Output	Voltage: 0 to 120 V
Performance	Per APS N7900 datasheet 5991-2698 N7976A (120 V / 2 kW) column
Operational Notes	N6976A is the N6900 twin. Prefer Keysight APS datasheet 5991-2698.

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	N7976A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Advanced Power System Dynamic DC Power Supply
Family	N7900 Series APS (2 kW)
Alias	N7976A; N7976A APS

DC Output

Specifications

PARAMETER	VALUE
Voltage	0 to 120 V
Current	0 to 16.7 A
Power	2,000 W

Current sink @10%: -1.67 A
Current sink @100% (with N7909A): -16.7 A

Performance

Per APS N7900 datasheet 5991-2698 N7976A (120 V / 2 kW) column

Operational Notes

N6976A is the N6900 twin. Prefer Keysight APS datasheet 5991-2698.

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.