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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N6976A Advanced Power System – DC Power Supply, 120 V, 16.7 A, 2000 W

Keysight (Agilent) N6976A Advanced Power System – DC Power Supply, 120 V, 16.7 A, 2000 W

The Keysight N6976A is an N6900 Series Advanced Power System DC power supply rated 0–120 V / 0–16.7 A / 2 kW in a 2U footprint. VersaPower architecture for high-performance 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-performance ATE sourcing; continuous source/sink; paralleled APS banks. The Keysight N6976A is an N6900 Series Advanced Power System DC power supply rated 0–120 V / 0–16.7 A / 2 kW in a 2U footprint. VersaPower architecture for high-performance 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-performance ATE sourcing; continuous source/sink; paralleled APS banks.



MODEL

**Keysight / Agilent
N6976A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6976A

LISTING

<https://aumictechlabs.com/products/n6976a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N6976A Advanced Power System is a 2000 W DC power supply engineered for demanding automated test equipment (ATE) applications requiring high-speed dynamic testing and precise power characterization. Built on Keysight's VersaPower architecture, this single-output instrument delivers 0–120 V DC at 0–16.7 A with test speeds 100x faster than standard

power supplies, enabling rapid device power profile measurement and validation. Technical Specifications Output: 2000 W, 0–120 V DC, 0–16.7 A (single output) Input: 240 VAC Voltage/current programming resolution: 14 bits Voltage/current measurement resolution: 18 bits Residual ripple: < 9 mVpp Response time: 3 ms (voltage rise/fall) Transient settling: 100 μ s Fast programming: up to 500 μ s rise, 3 ms fall Command processing: < 2 ms Two-quadrant operation: 10% rated current standard; 50% with one N7909A dissipater; 100% with optional N7909A dissipater Rack mount: 2U, programmable via GPIB, LAN (LXI-Core), and USB Key Features Dual voltage and current measurement with DMM-like accuracy Integrated power metrics: power, peak power, watt-hour, amp-hour Adjustable measurement rate balancing speed and accuracy Paralleling capability: stack units to 10 kW with equal current sharing Optional arbitrary waveform generation and output list capability (Option 303) Optional black-box recorder (N7908A) for power event tracking and data logging Programmable rise time and smart triggering Sequence control for multi-device on/off switching Typical Applications Dynamic device characterization, transient power testing, battery simulation, load profile validation, and high-speed ATE power verification requiring rapid voltage/current transitions and integrated measurement precision. Compatibility & Integration Standard interfaces include GPIB (IEEE-488), LAN (LXI-Core), and USB for seamless integration into ATE platforms. External data logging is available with Option 302.

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 • N6900 Series (high performance APS) • Dual V/I measurement; power / Wh / Ah • 2U full-rack; parallel to 10 kW • Interfaces: GPIB, LAN (LXI-Core), USB

N6976A Characteristics / Specifications

PARAMETER	VALUE
Keysight (Agilent) N6976A Advanced Power System	DC Power Supply, 120 V, 16.7 A, 2000 W Overview The Keysight N6976A is an N6900 Series Advanced Power System DC power supply rated 0–120 V / 0–16.7 A / 2 kW in a 2U footprint. VersaPower architecture for high-performance 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	N6976A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Advanced Power System DC Power Supply
Family	N6900 Series APS (2 kW)
Alias	N6976A; N6976A 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

N6976A Specifications

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

performance 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.

Applications
High-performance ATE sourcing; continuous source/sink; paralleled APS banks.

- Key Features
- 0-120 V / 0-16.7 A / 2,000 W
 - Current sink: -1.67 A (10%); -16.7 A with N7909A
 - N6900 Series (high performance APS)
 - Dual V/I measurement; power / Wh / Ah
 - 2U full-rack; parallel to 10 kW
 - Interfaces: GPIB, LAN (LXI-Core), USB

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	N6976A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Advanced Power System DC Power Supply
Family	N6900 Series APS (2 kW)
Alias	N6976A; N6976A 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 N6900 datasheet 5991-2698 N6976A (120 V / 2 kW) column

Operational Notes
N7976A is the N7900 dynamic 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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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.