

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N6973A Advanced Power System – DC Power Supply, 60 V, 33 A, 2000 W

Keysight (Agilent) N6973A Advanced Power System – DC Power Supply, 60 V, 33 A, 2000 W

The Keysight N6973A is an N6900 Series Advanced Power System DC power supply rated 0–60 V / 0–33.3 A / 2 kW in a 2U footprint. VersaPower architecture for high-performance ATE. Standalone sink to 10% (–3.33 A); with N7909A dissipater, full 100% sink (–33.3 A). GPIB/LAN (LXI)/USB; paralleling to 10 kW. High-performance ATE sourcing; continuous source/sink; paralleled APS banks. The Keysight N6973A is an N6900 Series Advanced Power System DC power supply rated 0–60 V / 0–33.3 A / 2 kW in a 2U footprint. VersaPower architecture for high-performance ATE. Standalone sink to 10% (–3.33 A); with N7909A dissipater, full 100% sink (–33.3 A). GPIB/LAN (LXI)/USB; paralleling to 10 kW. High-performance ATE sourcing; continuous source/sink; paralleled APS banks.



MODEL

**Keysight / Agilent
N6973A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6973A

LISTING

<https://aumictechlabs.com/products/n6973a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) N6973A Advanced Power System is a 2000 W DC power supply engineered for demanding automated test equipment (ATE) applications. It delivers 0 to 60 V DC at 0 to 33 A with programmable and measurement resolution to 14 bits and 18 bits respectively. Built on Keysight's VersaPower architecture, the N6973A accelerates test throughput while

minimizing ATE development time and cost.

Technical Specifications

Power Output: 2000 W
Output Voltage: 0 to 60 V DC
Output Current: 0 to 33 A
Programming Resolution: 14 bits (voltage and current)
Measurement Resolution: 18 bits (voltage and current)
Ripple and Noise: 1 mV RMS, < 9 mVpp
Load Regulation: 2 mV voltage load regulation
Response Time: 3 ms voltage rise/fall, 100 μ s transient settling
Command Processing: < 2 ms
Fast Programming: Up to 500 μ s with Option 303; up to 3 ms standard
Input Voltage: 240 VAC
Dimensions: 426.9 mm W $\times$ 88.1 mm H (2U) $\times$ 633.2 mm D
Weight: 15.5 kg

Key Features

Two-quadrant operation: 10% negative current sinking standard; full 100% capability with optional N7909A power dissipater
Parallel operation capability up to 10 kW across multiple N6900 series units with equal current sharing
Dual voltage and current measurement with DMM-like accuracy; power, peak power, watt-hour, and amp-hour measurements
Arbitrary waveform generation and output list capability (Option 303)
Voltage and current digitizers with programmable sample rates (Option 302)
Optional N7908A black-box recorder for continuous output parameter recording
Extended trigger options and measurement functions

Typical Applications

Automated test equipment for device characterization, power supply testing, battery simulation, and transient load response analysis requiring fast programming speeds and high measurement precision.

Compatibility & Integration

Standard Interfaces: GPIB (IEEE-488), LAN (LXI-Core), USB
Software: Compatible with Keysight BenchVue for PC control and automated test creation
Options: Option 301 (accuracy package); Option 302 (digitizer and data logging); Option 303 (arbitrary waveforms and output lists)

Features & description

From manufacturer datasheet

Features

- 0–60 V / 0–33.3 A / 2,000 W (published as 33 A / 33.3 A) • Current sink: –3.33 A (10%); –33.3 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

N6973A Characteristics / Specifications

PARAMETER	VALUE
Keysight (Agilent) N6973A Advanced Power System	DC Power Supply, 60 V, 33 A, 2000 W Overview The Keysight N6973A is an N6900 Series Advanced Power System DC power supply rated 0–60 V / 0–33.3 A / 2 kW in a 2U footprint. VersaPower architecture for high-performance ATE. Standalone sink to 10% (–3.33 A); with N7909A dissipater, full 100% sink (–33.3 A). GPIB/LAN (LXI)/USB; paralleling to 10 kW.
Model	N6973A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Advanced Power System DC Power Supply
Family	N6900 Series APS (2 kW)
Alias	N6973A; N6973A APS DC Output
Voltage	0 to 60 V
Current	0 to 33.3 A
Power	2,000 W
Current sink	–3.33 A (10%); –33.3 A with N7909A
Interfaces	GPIB, LAN (LXI-Core), USB

N6973A Specifications

PARAMETER	VALUE
Key Features	- 0–60 V / 0–33.3 A / 2,000 W (published as 33 A / 33.3 A)
Technical Specifications	Model: N6973A
DC Output	Voltage: 0 to 60 V
Performance	Per APS N6900 datasheet 5991-2698 N6973A (60 V / 2 kW) column
Operational Notes	N7973A 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% (-3.33 A); with N7909A dissipater, full 100% sink (-33.3 A). GPIB/LAN (LXI)/USB; paralleling to 10 kW.

Applications

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

Key Features

- 0-60 V / 0-33.3 A / 2,000 W (published as 33 A / 33.3 A)
- Current sink: -3.33 A (10%); -33.3 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	N6973A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Advanced Power System DC Power Supply
Family	N6900 Series APS (2 kW)
Alias	N6973A; N6973A APS

DC Output

Specifications

PARAMETER	VALUE
Voltage	0 to 60 V
Current	0 to 33.3 A
Power	2,000 W

Current sink @10%: -3.33 A
Current sink @100% (with N7909A): -33.3 A

Performance

Per APS N6900 datasheet 5991-2698 N6973A (60 V / 2 kW) column

Operational Notes

N7973A 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

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
NAICS 423690 · 811210 · 541380
Generated August 5, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.