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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N6974A DC Power Supply, 80 V, 25 A, 2000 W

Agilent Keysight N6974A Advanced Power System DC Power Supply 0 to 80 V 25 A 2 kW The Agilent/Keysight N6974A is an N6900 Series Advanced Power System DC power supply. OEM APS datasheets rate 0 to 80 V, 25 A, and 2 kW with continuous two-quadrant sink capability to 10 percent of rating standalone. ATE power testing, battery and power-storage source/sink characterization, and high-throughput manufacturing DC stimulus. VersaPower architecture Advanced Power System DC supply The Agilent/Keysight N6974A is an N6900 Series Advanced Power System DC power supply. OEM APS datasheets rate 0 to 80 V, 25 A, and 2 kW with continuous two-quadrant sink capability to 10 percent of rating standalone. ATE power testing, battery and power-storage source/sink characterization, and high-throughput manufacturing DC stimulus. VersaPower architecture Advanced Power System DC supply Two quadrant sourcing and sinking capability



MODEL

**Agilent / Keysight
N6974A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6974A

LISTING

<https://aumictechlabs.com/products/n6974a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N6974A is a, single-output DC power supply designed for demanding applications. Providing 1000W of power, with voltage up to 40V and current up to 25A, It has exceptional precision and control. Its features include fast command processing, output voltage

and current readback, and comprehensive protection features such as over-voltage, over-current, and over-temperature protection.

N6974A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Advanced Power System DC power supply
Series Family	Keysight N6900 APS
Voltage Range	0 to 80 V
Current Maximum	25 A
Rated Power	2 kW
Current Sink At 10 Percent Rating	minus 2.5 A
Current Sink At 100 Percent With Dissipater	minus 25 A with dissipaters
Output Ripple Noise CV RMS	1 mV
Output Ripple Noise CV Peak Peak	9 mV
Voltage Load Regulation	2 mV
Current Load Regulation	1.5 mA
Voltage Programming Measurement Accuracy	0.03 percent plus 12 mV
Rack Footprint Class	2 U full rack
Two Quadrant Operation	continuous source and sink transitions
Command Processing Speed Class	less than 2 ms class OEM APS literature
Up Down Programming Speed Class	as fast as 500 us class OEM APS literature
Parallel Capability Class	built in paralleling up to 10 kW class family literature
Remote Interfaces	LAN USB GPIB
Architecture	VersaPower
Black Box Recorder	built in event recording capability cited in APS overview
Sequencing	multi unit sequencing including with N6700 family

N6974A Specifications

PARAMETER	VALUE
Two quadrant sourcing and sinking capability	Optional accuracy package Option 301 and digitizer Option 302
Technical Specifications	Instrument Type: Advanced Power System DC power supply
Notes	Numeric rows from Keysight Advanced Power System N6900 Series datasheet model column N6974A.

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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Two Quadrant Operation	continuous source and sink transitions
Command Processing Speed Class	less than 2 ms class OEM APS literature
Up Down Programming Speed Class	as fast as 500 us class OEM APS literature
Optional Accuracy Package: Option 301 higher resolution and second current measurement range	
Optional Measurement Enhancements: Option 302 external logging and digitizers	
Optional Source Speed Enhancements: Option 303 arb list and faster programming	
Optional Disconnect Relays: Options 760 and 761	
Specifications	
PARAMETER	VALUE
Parallel Capability Class	built in paralleling up to 10 kW class family literature
Remote Interfaces	LAN USB GPIB
Architecture	VersaPower
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PARAMETER

VALUE

Sequencing

multi unit sequencing including with N6700 family

Notes

Numeric rows from Keysight Advanced Power System N6900 Series datasheet model column N6974A.

Ordering Information

OPTION	DESCRIPTION
Option 301	and digitizer Option 302
Option 302	external logging and digitizers
Option 303	arb list and faster programming

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
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<https://aumictechlabs.com>

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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.