

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N5769A System DC Power Supply 100 V, 15 A, 1500 W

Keysight (Agilent) N5769A System DC Power Supply 100 V, 15 A, 1500 W The Keysight N5769A is an N5700 Series system DC power supply rated 100 V / 15 A / 1500 W in compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog programming. System DC bias; 100 V rail testing; ATE rack integration in 1U. The Keysight N5769A is an N5700 Series system DC power supply rated 100 V / 15 A / 1500 W in compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog programming. System DC bias; 100 V rail testing; ATE rack integration in 1U.



MODEL

**Keysight / Agilent
N5769A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5769A

LISTING

<https://aumictechlabs.com/products/n5769a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N5769A is a 1500 W single-output DC system power supply engineered for automated test equipment (ATE) and industrial applications requiring precision voltage and current delivery. It delivers 100 V at 15 A in a compact 1U rack-mountable chassis, optimizing space in demanding test environments. Technical Specifications Output Power and Voltage Maximum output voltage: 100 V Maximum output current: 15 A Maximum output power: 1500 W Single output channel AC Input Input voltage range: 85–265 VAC Input frequency: 47–63 Hz Universal AC input with automatic range selection; no manual switching or fuse changes required

Power factor correction (PFC): 0.99 typical Programming and Control Voltage programming: Analog voltage (0–5 V or 0–10 V) or resistance (0–5 k Ω or 0–10 k Ω) Current programming: Analog voltage (0–5 V or 0–10 V) or resistance (0–5 k Ω or 0–10 k Ω) Front panel adjustment via rotary encoders with coarse and fine control 15 programmable store/recall states for rapid setup recall Front panel control lock available to prevent inadvertent changes Analog programming and monitoring supported Measurement Built-in voltage and current measurement Voltage readback: 100 mV to 99.9 V Protection Over-voltage protection (OVP) with output shutdown on fault Over-current protection (OCP) with output shutdown on fault Over-temperature protection (OTP) with output shutdown on fault Under-voltage limit (UVL) for load safeguardingKey Features 1U high, 19-inch wide rack-mountable form factor GPIB, LAN, and USB interfaces standard LXI Class C compliant Built-in web server for remote browser-based monitoring and controlTypical Applications Automated test systems, industrial power delivery, component characterization, and bench testing requiring stable, programmable DC output with integrated protection and remote access.Compatibility & Integration Direct integration with ATE systems via GPIB, LAN, or USB. Web server interface enables remote operation and monitoring across networked environments. Analog control inputs support legacy and modern test frameworks.

Features & description

From manufacturer datasheet

Features

• 100 V / 15 A / 1,500 W • 1U package; universal AC 85–265 Vac • Interfaces: GPIB, LAN, USB, LXI Class C • CV ripple: 80 mV p-p / 8 mV rms • OVP/OCP; Sorensen DLM / Xantrex XFR / 603x compatibility commands (family)

N5769A Characteristics / Specifications

PARAMETER	VALUE
Model	N5769A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W)
Alias	N5769A DC Output Ratings
Voltage	0.05% + 50 mV
Current	0.1% + 45 mA class (family table) AC Input Nominal 100–240 Vac; 50/60 Hz; range 85–265 Vac; 47–63 Hz; PF 0.99 at rated power Operational Notes Prefer Keysight N5700 Series datasheet 5989-1330 for full N5769A accuracy rows.
Power	1,500 W Output Ripple and Noise
CV rms	8 mV (5 Hz–1 MHz) Load Effect (10% to 90%)
Voltage / Current	per N5700 datasheet N5769A column (100 V / 1500 W group) Programming Accuracy (family 100 V column class)
Interfaces	GPIO, LAN, USB, LXI Class C
CV ripple	80 mV p-p / 8 mV rms

N5769A Specifications

PARAMETER	VALUE
Applications	System DC bias; 100 V rail testing; ATE rack integration in 1U.
Key Features	- 100 V / 15 A / 1,500 W
Technical Specifications	Model: N5769A
DC Output Ratings	Voltage: 0 to 100 V
Output Ripple and Noise	CV p-p: 80 mV (to 20 MHz)
Load Effect (10% to 90%)	Voltage / Current: per N5700 datasheet N5769A column (100 V / 1500 W group)
Programming Accuracy (family 100 V column class)	Voltage: 0.05% + 50 mV
Measurement Accuracy (family)	Voltage: 0.1% + 100 mV
AC Input	Nominal 100–240 Vac; 50/60 Hz; range 85–265 Vac; 47–63 Hz; PF 0.99 at rated power
Operational Notes	Prefer Keysight N5700 Series datasheet 5989-1330 for full N5769A accuracy rows.

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	N5769A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W)
Alias	N5769A

DC Output Ratings

Specifications

PARAMETER	VALUE
Voltage	0 to 100 V
Current	0 to 15 A
Power	1,500 W

Output Ripple and Noise

CV p-p: 80 mV (to 20 MHz)

CV rms: 8 mV (5 Hz–1 MHz)

Load Effect (10% to 90%)

Voltage / Current: per N5700 datasheet N5769A column (100 V / 1500 W group)

Programming Accuracy (family 100 V column class)

Voltage: 0.05% + 50 mV

Current: 0.1% + 15 mA (model-specific row)

Measurement Accuracy (family)

Voltage: 0.1% + 100 mV

Current: 0.1% + 45 mA class (family table)

AC Input

Nominal 100–240 Vac; 50/60 Hz; range 85–265 Vac; 47–63 Hz; PF 0.99 at rated power

Operational Notes

Prefer Keysight N5700 Series datasheet 5989-1330 for full N5769A accuracy rows.

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.