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Data Sheet

August 13, 2026

KEYSIGHT / AGILENT / HP

Keysight / Agilent / HP N5747A DC Power Supply

Keysight N5747A System DC Power Supply 60 V 12.5 A 750 W The Keysight N5747A is a single-output N5700 Series system DC power supply rated 60 V, 12.5 A, and 750 W in a 1U 19 inch package. Universal 85 to 265 Vac input, built-in voltage and current measurement, and standard GPIB, USB 2.0, and LAN with LXI Class C compliance support ATE and bench use. Analog voltage or resistance programming of voltage and current is standard. Rack ATE DC bias at 60 V class; production and design-validation power; LAN or GPIB remote system supplies; paralleled or series stacks of similarly rated N5700 units when more current or voltage is required. The Keysight N5747A is a single-output N5700 Series system DC power supply rated 60 V, 12.5 A, and 750 W in a 1U 19 inch package. Universal 85 to 265 Vac input, built-in voltage and current measurement, and standard GPIB, USB 2.0, and LAN with LXI Class C compliance support ATE and bench use. Analog voltage or resistance programming of voltage and current is standard. Rack ATE DC bias at 60 V class; production and design-validation power; LAN or GPIB remote system supplies; paralleled or series stacks of similarly rated N5700 units when more current or voltage is required.

**MODEL****Keysight / Agilent /
HP N5747A****CALIBRATION****Available on
request****CONDITION****Used****STATUS****In stock****RFQ / SKU****N5747A****LISTING**[https://aumictechlabs.c
om/products/n5747a-2/](https://aumictechlabs.com/products/n5747a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N5747A is a 750 W single-output DC power supply built for automated test equipment systems and general laboratory applications. This 1U rack-mountable unit delivers 0–

60 V and 0–12.5 A from a compact 19-inch form factor. It accepts universal AC input (85–265 VAC, 47–63 Hz) with 0.99 power factor correction and integrates LAN, USB, and GPIB interfaces for test system control.

Technical Specifications

Output Performance Maximum voltage: 60 V
Maximum current: 12.5 A Maximum power: 750 W
Voltage programming: 0–60 V via analog control (0–5 V or 0–10 V) or resistance input (0–5 k Ω or 0–10 k Ω)
Current programming: 0–12.5 A via analog control (0–5 V or 0–10 V) or resistance input (0–5 k Ω or 0–10 k Ω)

Input Specifications Universal AC input: 85–265 VAC Input frequency: 47–63 Hz Input current: 10.5 A at 100 VAC; 5 A at 200 VAC Power factor correction: 0.99 typical

Physical & Environmental Dimensions: 432.8 × 422.8 × 43.6 mm Weight: 7 kg

Key Features Front-panel rotary encoders for direct voltage and current adjustment Lockable front-panel controls Built-in digital display for voltage and current measurement 15 settable states for configuration storage and recall Remote sensing capability Overvoltage protection (5–66 V range, ± 0.60 V accuracy) Overcurrent, over-temperature, and under-voltage lockout protection Power failure protection LXI Class C compliant Built-in web server for remote access

Typical Applications ATE system power delivery, component testing, laboratory power requirements, and rack-mounted test benches requiring programmable multi-interface control.

Compatibility & Integration Standard communication via LAN, USB, and GPIB. LXI Class C compliance enables plug-and-play integration into networked test environments. Remote sensing supports high-accuracy voltage delivery at load points distant from the supply.

Features & description

From manufacturer datasheet

Features

- Single output in a 1U high density package with front side and rear vents for stacking

N5747A Characteristics / Specifications

PARAMETER	VALUE
Model	N5747A
Manufacturer	Keysight Technologies
Instrument Type	System DC Power Supply
Family	N5700 Series 750 W
Alias	N5747A; Agilent N5747A
Output Voltage	0 to 60 V
Output Current	0 to 12.5 A
Output Power	750 W
Ripple CV pp	60 mV (up to 20 MHz)
Ripple CV rms	8 mV (5 Hz to 1 MHz)
Load Effect Voltage	8 mV (10 percent to 90 percent load)
Load Effect Current	7.5 mA
Source Effect Voltage	8 mV (85 to 132 Vac or 170 to 265 Vac)
Source Effect Current	3.25 mA
Programming Accuracy Voltage	0.05 percent + 30 mV
Programming Accuracy Current	0.1 percent + 12.5 mA
Measurement Accuracy Voltage	0.1 percent + 60 mV
Measurement Accuracy Current	0.1 percent + 37.5 mA
Load Transient Recovery	less than or equal to 1 ms to 0.5 percent of rating
OVP Range	5 V to 66 V
OVP Accuracy	0.06 V
Remote Sense Compensation	3 V per load lead
Programming Resolution Voltage	7.2 mV
Programming Resolution Current	1.5 mA
Front Display Voltage	0.3 V (4 digits plus or minus 1 count)

PARAMETER	VALUE
Front Display Current	0.0625 A
CC rms Noise	38 mA (5 Hz to 1 MHz at 10 to 100 percent voltage full load)
Output Up Full Load	0.08 s to within 1.0 percent of rated output
Output Down Full Load	0.08 s
Command Response Time	55 ms
AC Input	85 to 265 Vac 47 to 63 Hz universal PFC
Remote Interfaces	GPIB USB 2.0 10/100 LAN LXI ClassC Analog Program: 0 to 5 V or 0 to 10 V; 0 to 5 kOhm or 0 to 10 kOhm
Form Factor	1U 19 inch; 43.6 mm x 422.8 mm x 432.8 mm class
Weight	approximately 7 kg
Ambient Spec Window	0 to 40 C warranted unless noted Notes Figures from Keysight N5700 Series data sheet for the N5747A column. Confirm serial firmware and analog-program jumper settings on the unit.

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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PARAMETER	VALUE
Model	N5747A
Manufacturer	Keysight Technologies
Instrument Type	System DC Power Supply

Specifications	
PARAMETER	VALUE
Family	N5700 Series 750 W
Alias	N5747A; Agilent N5747A
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Ripple CV rms	8 mV (5 Hz to 1 MHz)
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Specifications	
PARAMETER	VALUE
Source Effect Voltage	8 mV (85 to 132 Vac or 170 to 265 Vac)
Source Effect Current	3.25 mA
Programming Accuracy Voltage	0.05 percent + 30 mV

Specifications

PARAMETER	VALUE
Programming Accuracy Current	0.1 percent + 12.5 mA
Measurement Accuracy Voltage	0.1 percent + 60 mV
Measurement Accuracy Current	0.1 percent + 37.5 mA

Specifications

PARAMETER	VALUE
Load Transient Recovery	less than or equal to 1 ms to 0.5 percent of rating
OVP Range	5 V to 66 V
OVP Accuracy	0.06 V

Specifications

PARAMETER	VALUE
Remote Sense Compensation	3 V per load lead
Programming Resolution Voltage	7.2 mV
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PARAMETER	VALUE
Front Display Voltage	0.3 V (4 digits plus or minus 1 count)
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CC rms Noise	38 mA (5 Hz to 1 MHz at 10 to 100 percent voltage full load)

Specifications

PARAMETER	VALUE
Output Up Full Load	0.08 s to within 1.0 percent of rated output
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Specifications

PARAMETER	VALUE
AC Input	85 to 265 Vac 47 to 63 Hz universal PFC
Remote Interfaces	GPiB USB 2.0 10/100 LAN LXI ClassC Analog Program: 0 to 5 V or 0 to 10 V; 0 to 5 kOhm or 0 to 10 kOhm
Form Factor	1U 19 inch; 43.6 mm x 422.8 mm x 432.8 mm class

Weight: approximately 7 kg

Ambient Spec Window: 0 to 40 C warranted unless noted

Notes

Figures from Keysight N5700 Series data sheet for the N5747A column. Confirm serial firmware and analog-program jumper settings on the unit.

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
NAICS 423690 · 811210 · 541380
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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.