

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8737A System DC Power Supply 60V 55A

The Agilent/Keysight N8737A is a single-output N8700 Series system DC power supply in the 3.3 kW class. OEM N8700 series datasheets rate this model at 60 V, 55 A, and 3300 W with built-in metering and standard LAN/USB/GPIB. ATE rack DC stimulus for aerospace defense automotive component and communications manufacturing validation, and high-power device characterization where a compact 2U programmable source is required. Compact 2U 19 inch system DC supply package LAN USB and GPIB interfaces standard LXI Class C Overvoltage overcurrent and overtemperature protection with UVL window Agilent Keysight N8737A System DC Power Supply 60 V 55 A 3300 W The Agilent/Keysight N8737A is a single-output N8700 Series system DC power supply in the 3.3 kW class. OEM N8700 series datasheets rate this model at 60 V, 55 A, and 3300 W with built-in metering and standard LAN/USB/GPIB. ATE rack DC stimulus for aerospace defense automotive component and communications manufacturing validation, and high-power device characterization where a compact 2U programmable source is required. Compact 2U 19 inch system DC supply package



MODEL

**Agilent / Keysight
N8737A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8737A

LISTING

<https://aumictechlabs.com/products/n8737a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8737A is a single-output, programmable DC power supply designed for demanding applications requiring stable and reliable power. It has a substantial power output within a compact 2U rack-mountable chassis, facilitating integration into automated test equipment (ATE) racks and saving valuable space. The N8737A provides flexible AC input options, analog programming capabilities, and a suite of protective features to safeguard connected devices. Its design prioritizes ease of use with intuitive front-panel controls and standard modern interfaces for remote access and control, making it suitable for research and development, manufacturing, and system integration environments.

Technical Specifications

DC Output Ratings: Voltage: 60 V Current: 55 A Power: 3300 W

Programming Accuracy: Voltage: 0.05% + 30 mV Current: 0.1% + 110 mA

Output Ripple and Noise: CV p-p: 60 mV CV rms: 8 mV

Measurement Accuracy: Voltage: 0.1% + 8 mV Current: 0.1% + 1200 mA

Load Transient Recovery Time: Less than 1 ms (for load voltage change equal to the unit voltage rating, constant input voltage)

AC Input: Flexible AC input voltage options are available, including 208 V 3-phase, 400 V 3-phase, and 230 V single-phase. Power factor correction is provided. Note: The AC input voltage option is permanently installed at the factory and cannot be changed after delivery.

Interfaces: Standard interfaces include GPIB, LAN (LXI-Core compliant), and USB. Built-in web server for remote control via a standard web browser. Supports SCPI (Standard Commands for Programmable Instruments). Standard with IVI-COM drivers. Analog programming and monitoring capabilities (0-5V or 0-10V, or 0-5 kΩ or 0-10 kΩ resistance).

Physical Characteristics: Form Factor: 2U height, 19-inch wide rack-mountable package. Airflow: Front-to-back airflow design, allowing instruments to be stacked directly above or below without requiring additional space. Mounting: Rack mount ears and handles are provided standard. A rack mount slide kit (N5740A) is available.

Protection Features: Full protection from over-voltage and over-current. Extensive device protection. Protection from over-temperature.

Operational Features: Easy front-panel operation with rotary knobs and buttons for voltage, current, and protection settings. Simultaneous display of output voltage and current. Front panel control lock to prevent accidental changes. Power-on state memory (last setting or factory default).

Configuration and Expansion: Multiple units can be connected in parallel (up to four identical units) for increased output current or in series (up to two identical units) for increased output voltage.

Included Accessories (may vary by configuration): Power Supply Unit Power Cord Strain Relief Assembly AC Input Cover DB25 Subminiature Connector Shield Assembly Hardware for Bus Bar Connection Certificate of Calibration

Why Choose Aumictech for the Keysight N8737A? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need to enhance your automated test systems, accelerate your research and development, or ensure reliable manufacturing process control, our team ensures the Keysight N8737A delivers maximum performance and uptime for your critical applications.

N8737A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N8700
Rated Output Voltage	60 V
Rated Output Current	55 A
Rated Output Power	3300 W
Output Ripple Noise CV Peak Peak	60 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	8 mV from 5 Hz to 1 MHz
CV Load Regulation	14 mV
CC Load Regulation	16 mA
CV Line Regulation	8 mV
CC Line Regulation	7.5 mA
Voltage Programming Accuracy	0.05 percent plus 30 mV
Current Programming Accuracy	0.1 percent plus 110 mA
Voltage Measurement Accuracy	0.1 percent plus 60 mV
Current Measurement Accuracy	0.1 percent plus 165 mA
Load Transient Recovery Time	less than 1 ms
Overvoltage Protection Range	5 to 66 V
Package Height	2 U
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCCommand Language: SCPI with IVI COM drivers
Parallel Capability	up to 4 identical units for higher current
Series Capability	2 identical units for higher voltage within isolation limits
Analog Program Monitor	0 to 5 V or 0 to 10 V and resistance programming paths
AC Input Options Class	208 V 3 phase or 400 V 3 phase; 3.3 kW models also offer 230 V single phase option
Temperature Spec Window	ambient 0 to 40 C unless otherwise noted in OEM tables

PARAMETER	VALUE
Bandwidth	Output Ripple Noise CV RMS: 8 mV from 5 Hz to 1 MHz

N8737A Specifications

PARAMETER	VALUE
Key Features	Compact 2U 19 inch system DC supply package
LAN USB and GPIB interfaces standard LXI Class C	Overvoltage overcurrent and overtemperature protection with UVL window
Technical Specifications	Instrument Type: System DC power supply
Notes	Numeric rows from Agilent/Keysight N8700 Series System DC Power Supplies datasheet model column N8737A.

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
Instrument Type	System DC power supply
Series Family	Keysight N8700
Rated Output Voltage	60 V
Rated Output Current	55 A
Rated Output Power	3300 W
Output Ripple Noise CV Peak Peak	60 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	8 mV from 5 Hz to 1 MHz
CV Load Regulation	14 mV
CC Load Regulation	16 mA
CV Line Regulation	8 mV
CC Line Regulation	7.5 mA
Voltage Programming Accuracy	0.05 percent plus 30 mV
Current Programming Accuracy	0.1 percent plus 110 mA
Voltage Measurement Accuracy	0.1 percent plus 60 mV
Current Measurement Accuracy	0.1 percent plus 165 mA
Load Transient Recovery Time	less than 1 ms
Overvoltage Protection Range	5 to 66 V
Package Height	2 U
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCCommand Language: SCPI with IVI COM drivers
Parallel Capability	up to 4 identical units for higher current
Series Capability	2 identical units for higher voltage within isolation limits
Analog Program Monitor	0 to 5 V or 0 to 10 V and resistance programming paths
AC Input Options Class	208 V 3 phase or 400 V 3 phase; 3.3 kW models also offer 230 V single phase option
Temperature Spec Window	ambient 0 to 40 C unless otherwise noted in OEM tables

Notes

Numeric rows from Agilent/Keysight N8700 Series System DC Power Supplies datasheet model column N8737A.

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 14, 2026

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