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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8741A System DC Power Supply 300V 11A

The Agilent/Keysight N8741A is a single-output N8700 Series system DC power supply in the 3.3 kW class. OEM N8700 series datasheets rate this model at 300 V, 11 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 N8741A System DC Power Supply 300 V 11 A 3300 W The Agilent/Keysight N8741A is a single-output N8700 Series system DC power supply in the 3.3 kW class. OEM N8700 series datasheets rate this model at 300 V, 11 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
N8741A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8741A

LISTING

<https://aumictechlabs.com/products/n8741a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N8741A is a, single-output, programmable DC power supply designed for demanding applications in ATE systems, product development, and manufacturing test environments. It delivers a stable and reliable power output of 3300 W, with adjustable voltage up to 300 V and current up to 11 A. This power supply is engineered to provide excellent performance and programmability, making it suitable for a wide range of technical and procurement requirements.

Technical Specifications

DC Output Ratings: Voltage: 300 V Current: 11 A Power: 3300 W

Programming Accuracy: Voltage: 0.05% + 150 mV Current: 0.1% + 22 mA

Output Ripple and Noise: CV p-p: 300 mV CV rms: 100 mV

AC Input Voltage Options: The N8741A offers flexible AC input voltage options. Specific configurations include:

- * Option N8731A-208: 190-240V, 3-phase AC, 50/60 Hz input
- * Option N8741A-208: 3-phase mains input (180 - 235 V / 50 - 60 Hz) for USA
- * The 3.3 kW models have an additional option of a 230 V single-phase AC input voltage.
- * AC input voltage hardware is permanently installed at the factory and cannot be changed after delivery.

Physical Characteristics:

Package Size: Compact 2U high, 19-inch wide package

Mounting Type: Rack Mount

Airflow: Front to back, allowing stacking of instruments without compromising ventilation

Interfaces: Standard Interfaces: LAN, USB, and GPIB are standard

Compliance: Fully LXI Class C compliant

Remote Control: Integrated web server provides remote access and control via a standard web browser

Programming and Control: Programmable Functions:

- * Output voltage and current setting
- * Output voltage and current measurement
- * Output voltage and current trigger setting
- * Output On/Off control
- * Over-current protection setting
- * Over-voltage protection setting and readback
- * Under-voltage limit setting and readback
- * Start-up mode (last setting or reset mode)
- * Status register setting and readback
- * Bus trigger

Calibration Output Features:

- * Constant voltage/constant current with automatic crossover
- * High-resolution voltage and current front panel controls
- * Accurate voltage and current readback
- * Independent edge-triggered external shut-off, and level-triggered external enable/disable
- * Parallel master/slave operation with active current sharing
- * Remote sensing to compensate for voltage drop in load leads
- * Analog output programming and monitoring

Front Panel Operation:

- * Easy to operate with rotary knobs and buttons for coarse and fine adjustments
- * Simultaneous display of output voltage and current
- * LED indicators for operating status and modes
- * Front panel controls can be locked to prevent accidental changes

Protection Features: Full protection from over-voltage and over-current

Protective earth terminal for safety

Why Choose Aumictech for Agilent/Keysight N8741A? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need to ensure stable power for critical test setups, integrate advanced automation into your laboratory, or equip your manufacturing lines with reliable instruments, our team ensures the Agilent/Keysight N8741A delivers maximum performance for your application.

N8741A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N8700
Rated Output Voltage	300 V
Rated Output Current	11 A
Rated Output Power	3300 W
Output Ripple Noise CV Peak Peak	300 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	100 mV from 5 Hz to 1 MHz
CV Load Regulation	50 mV
CC Load Regulation	7.2 mA
CV Line Regulation	32 mV
CC Line Regulation	3.1 mA
Voltage Programming Accuracy	0.05 percent plus 150 mV
Current Programming Accuracy	0.1 percent plus 22 mA
Voltage Measurement Accuracy	0.1 percent plus 300 mV
Current Measurement Accuracy	0.1 percent plus 33 mA
Load Transient Recovery Time	less than 2 ms
Overvoltage Protection Range	5 to 330 V
Package Height	2 U
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassCCCommand 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: 100 mV from 5 Hz to 1 MHz

N8741A 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 N8741A.

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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CC Line Regulation	3.1 mA
Voltage Programming Accuracy	0.05 percent plus 150 mV
Current Programming Accuracy	0.1 percent plus 22 mA
Voltage Measurement Accuracy	0.1 percent plus 300 mV
Current Measurement Accuracy	0.1 percent plus 33 mA
Load Transient Recovery Time	less than 2 ms
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Remote Interfaces	LAN USB 2.0 GPIB
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Notes

Numeric rows from Agilent/Keysight N8700 Series System DC Power Supplies datasheet model column N8741A.

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 ·
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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.