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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8762A System DC Power Supply 600V 8.5A

Agilent Keysight N8762A System DC Power Supply 600 V 8.5 A 5100 W The Agilent/Keysight N8762A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 600 V, 8.5 A, and 5100 W with built-in measurement and LXI ClassCremote I/O. High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U. Compact 2U 19 inch system DC supply package The Agilent/Keysight N8762A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 600 V, 8.5 A, and 5100 W with built-in measurement and LXI ClassCremote I/O. High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U. Compact 2U 19 inch system DC supply package LAN USB and GPIB interfaces standard LXI ClassCOvervoltage overcurrent and overtemperature protection with UVL window



MODEL

**Agilent / Keysight
N8762A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8762A

LISTING

<https://aumictechlabs.com/products/n8762a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8762A is a 5100W, single-output DC power supply designed for automated test equipment (ATE) systems. It has a voltage output of up to 600V and a current output of up to 8.5A, providing a maximum power of 5100W. This unit is housed in a compact 2U rackmount package with front-to-back airflow, facilitating integration into ATE racks without requiring

additional vertical space. The N8762A features essential performance characteristics and programming capabilities, making it suitable for applications requiring reliable and programmable power. Technical Specifications * Model: N8762A Manufacturer: Keysight Technologies (formerly Agilent) Output Type: Single Output DC Output Ratings: * Voltage: 600 V * Current: 8.5 A * Power: 5100 W (5.1 kW) Programming Accuracy: * Voltage: 0.025% + 450 mV * Current: 0.1% + 25.5 mA Output Ripple and Noise: * Voltage Peak-to-Peak: 500 mV * Voltage RMS: 120 mV AC Input Voltage Options: * 190-240V, 3-phase AC, 50/60Hz (requires option N8751A-208 and N8751A-861 for USA) * 380-415V, 3-phase AC, 50/60Hz (requires option N8751A-400 and N8751A-862) * (Note: AC input voltage hardware is factory-installed and cannot be changed post-delivery.) Interfaces: * Standard: GPIB, LAN (Ethernet), USB 2.0 * LXI Class C compliant Control and Operation: * Front-panel controls with rotary knobs and buttons for voltage, current, and protection settings. * Analog/resistance control of output voltage and current (0-5V or 0-10V analog voltage; 0-5 k Ω or 0-10 k Ω resistance). * Built-in web server for remote LAN access via a standard browser. Programmable Features: * Over-temperature protection * Over-current protection (OVP) * Over-voltage protection (OVP) * Under-voltage limit (UVL) * Remote enable feature for failsafe configuration * Output voltage and current displayed simultaneously. * LED indicators for status. * Ability to lock front panel controls. Measurement: * Built-in voltage and current measurement. * Remote sensing capability to monitor load voltage at sense points. Configuration and Scalability: * Parallel connection of up to four identical units for increased output current. * Series connection of up to two identical units for increased output voltage (requires output terminal isolation). Physical: * Form Factor: 2U Rackmount * Airflow: Front-to-back Why Choose Aumictech for the Keysight N8762A? At Aumictech, we specialize in supplying automated test equipment (ATE) power supplies. Whether you need precise voltage and current control for complex R&D applications, reliable power for high-volume manufacturing test, or scalable solutions for demanding test environments, our team ensures the Keysight N8762A delivers maximum performance and integration efficiency for your specific application.

N8762A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N8700 5 kW class
Rated Output Voltage	600 V
Rated Output Current	8.5 A
Rated Output Power	5100 W
Output Ripple Noise CV Peak Peak	500 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	120 mV from 5 Hz to 1 MHz
CV Load Regulation	95 mV
CC Load Regulation	8.5 mA
CV Line Regulation	60 mV
CC Line Regulation	4.3 mA
Voltage Programming Accuracy	0.025 percent plus 450 mV
Current Programming Accuracy	0.1 percent plus 25.5 mA
Voltage Measurement Accuracy	0.025 percent plus 750 mV
Current Measurement Accuracy	0.1 percent plus 25.5 mA
Load Transient Recovery Time	less than 2 ms
Overvoltage Protection Range	5 to 660 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
Temperature Spec Window	ambient 0 to 40 C unless otherwise noted in OEM tables
Bandwidth	Output Ripple Noise CV RMS: 120 mV from 5 Hz to 1 MHz

N8762A Specifications

PARAMETER	VALUE
Applications	High-power ATE DC sourcing, burn-in racks, and power-device validation needing up to about 5 kW in 2U.
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 datasheet model column N8762A (5 kW tables).

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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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
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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.