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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8757A System DC Power Supply 60V 85A

Agilent Keysight N8757A System DC Power Supply 60 V 85 A 5100 W The Agilent/Keysight N8757A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 60 V, 85 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 N8757A is a 5 kW class N8700 Series system DC power supply. OEM datasheet ratings are 60 V, 85 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
N8757A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8757A

LISTING

[https://aumictechlabs.c
om/products/n8757a-3/](https://aumictechlabs.com/products/n8757a-3/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N8757A is a high-power, single-output, programmable DC power supply designed for automated test equipment (ATE) applications. It has a solid set of features in a compact 2U rack-mountable package, providing a significant power density suitable for environments where space is a constraint. This power supply is engineered for reliability and

performance, incorporating flexible AC input options and standard communication interfaces for seamless integration into complex test systems. The N8757A is part of the N8700 series, which is known for delivering stable output power with built-in voltage and current measurement capabilities. Technical Specifications DC Output Ratings: Voltage: 60 V Current: 85 A Power: 5100 W (5.1 kW) Programming Accuracy: Voltage: * 0.025% + 45 mV * 0.025% + 30 mV Current: * 0.1% + 255 mA * 0.1% + 375 mA Measurement Accuracy (Readback): While specific readback accuracy figures are not universally detailed across all sources, the unit includes built-in voltage and current measurement capabilities. AC Input: Input Voltage Options: Flexible AC input options are available. Specific configurations include 190 to 240 VAC, 50/60 Hz, 3-Phase. Another common configuration is 208V, three-phase AC input. The AC input hardware is permanently installed at the factory and cannot be changed after delivery. Interfaces: Standard Interfaces: LAN (LXI Class C compliant), USB, and GPIB are included as standard. Analog/Resistance Control: Supports analog/resistance control of output voltage and current. Web Server: Built-in web server for remote access and control via a standard web browser. Physical: Form Factor: Compact 2U rack-mountable package. Cooling: Airflow moves front to back, allowing for stacking of instruments without requiring additional space above or below the unit. Mounting Type: Rack Mount. Programmability and Control: Programmable Voltage and Current: Yes. Parallel/Series Connection: Multiple units can be connected in parallel (up to four identical units) for increased output current, or in series (two identical units) for increased output voltage. Protection Features: Protection from over-voltage, over-current, and over-temperature. Extensive device protection. Measurement Display: Built-in voltage and current measurement. Front panel display for operating status. Compliance: Fully compliant with the LXI Class C specification. Included Accessories (Examples): Strain relief assembly AC input cover DB25 subminiature connector Hardware for bus bar connection Safety shield assembly Certificate of calibration Compatibility * ATE Systems: Designed for automated test equipment (ATE) applications. Integration: Modern I/O interfaces (LAN, USB, GPIB) simplify system integration and automation. Parallel/Series Operation: Compatible with parallel and series connection of multiple units for scalable output. Why Choose Aumictech for Keysight N8757A? At Aumictech, we specialize in supplying high-end power supply equipment. Whether you need solid programmable voltage and current control, flexible AC input options, or seamless integration into automated test systems, our team ensures the Keysight N8757A delivers maximum performance for your application.

N8757A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N8700 5 kW class
Rated Output Voltage	60 V
Rated Output Current	85 A
Rated Output Power	5100 W
Output Ripple Noise CV Peak Peak	75 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	10 mV from 5 Hz to 1 MHz
CV Load Regulation	14 mV
CC Load Regulation	85 mA
CV Line Regulation	6 mV
CC Line Regulation	42.5 mA
Voltage Programming Accuracy	0.025 percent plus 45 mV
Current Programming Accuracy	0.1 percent plus 255 mA
Voltage Measurement Accuracy	0.025 percent plus 75 mV
Current Measurement Accuracy	0.1 percent plus 255 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 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: 10 mV from 5 Hz to 1 MHz

N8757A 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 N8757A (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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Output Ripple Noise CV Peak Peak	75 mV at 20 MHz bandwidth
Output Ripple Noise CV RMS	10 mV from 5 Hz to 1 MHz
CV Load Regulation	14 mV
CC Load Regulation	85 mA
CV Line Regulation	6 mV
CC Line Regulation	42.5 mA
Voltage Programming Accuracy	0.025 percent plus 45 mV
Current Programming Accuracy	0.1 percent plus 255 mA
Voltage Measurement Accuracy	0.025 percent plus 75 mV
Current Measurement Accuracy	0.1 percent plus 255 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
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Numeric rows from Agilent/Keysight N8700 Series datasheet model column N8757A (5 kW tables).	

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.