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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N8759A System DC Power Supply 100V 50A

Agilent Keysight N8759A System DC Power Supply The Keysight N8759A is an N8700 Series 2U system DC power supply rated 100 V / 50 A / 5000 W. OEM N8700 Series datasheets list built-in V/I measurement, GPIB/LAN/USB, and OVP/OCP/OTP protection for high-power ATE racks. High-power ATE, burn-in, and system DC bias needing multi-kilowatt single-output programmable power. CV Ripple Noise Peak To Peak: 100 mV (20 MHz) The Keysight N8759A is an N8700 Series 2U system DC power supply rated 100 V / 50 A / 5000 W. OEM N8700 Series datasheets list built-in V/I measurement, GPIB/LAN/USB, and OVP/OCP/OTP protection for high-power ATE racks. High-power ATE, burn-in, and system DC bias needing multi-kilowatt single-output programmable power. CV Ripple Noise Peak To Peak: 100 mV (20 MHz) CV Ripple Noise RMS: 15 mV (5 Hz to 1 MHz)

MODEL **Agilent / Keysight N8759A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **N8759A**	LISTING **https://aumictechlabs.com/products/n8759a-3/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8759A is a 5000 W, single-output DC power supply designed for test and measurement applications requiring reliable and stable power. It has essential features within a compact 2U rack-mountable package, making it suitable for integration into automated test equipment (ATE) racks. The N8759A provides flexible AC input options and analog/resistance

control for output voltage and current. It also supports parallel and series connections of multiple units to achieve higher output current or voltage, respectively. Technical Specifications DC Output Ratings: Voltage: 100 V Current: 50 A Power: 5000 W Programming Accuracy: Voltage: 0.025% + 75 mV Current: 0.1% + 150 mA Measurement Accuracy: Voltage: 0.025% + 125 mV Current: 0.1% + 150 mA Output Ripple and Noise: CV p-p: 100 mV CV rms: 15 mV Current rms: 100 mA Command Response Time: 100 ms Protection Features: Over-voltage protection (OVP): 5 V to 110 V Full protection from over-voltage and over-current AC Input: Configurations: * Option N8751A-208: 190-240 V, 3-phase AC, 50/60 Hz * Option N8759A-208: 180-235 V, 3-phase AC, 50/60 Hz (for USA) * Input voltage must be selected carefully as the hardware is permanently installed at the factory and cannot be changed after delivery. Power Cord: Option N8751A-861: Power cord, USA, No Plug, 10 AWG, 4-wire, 8 ft (Input 208 VAC 3 phase) Interfaces: LAN (10/100) USB 2.0 GPIB LXI Class C compliant Integrated Web Server for remote control via standard browser Physical: Form Factor: 2U rack height Dimensions (excluding connectors and handles): 88 mm x 423 mm x 442.5 mm (H x W x D) Weight: 16 kg Cooling: Front-to-back airflow, allowing for stacking of instruments Environmental: Operating Temperature: 0°C to 40°C at 100% load Storage Temperature: –20°C to 70°C Operating Humidity: 30% to 90% relative humidity (no condensation) Storage Humidity: 10% to 95% relative humidity (no condensation) Key Features: Built-in voltage and current measurement Easy front-panel operation with coarse and fine adjustments, protection settings, and power-on states Front panel controls can be locked to prevent accidental changes Analog programming and monitoring capabilities Flexible configuration for parallel or series connections Rack mounting hardware included (ears and handles) Software Support: Standard with IVI-COM drivers, supports SCPI Free Node-Locked BenchVue Basic license (BV0003B) for power supplies included with new devices Why Choose Aumictech for Keysight N8759A? At Aumictech, we specialize in supplying high-end DC power supply equipment. Whether you need reliable power for demanding test applications, precise voltage and current control for sensitive experiments, or scalable power solutions for expanding labs, our team ensures the Keysight N8759A delivers maximum performance and value for your application.

Features & description

From manufacturer datasheet

Built-in voltage and current measurement

OVP OCP OTP protection class Analog programming and monitoring Technical Specifications Model: N8759A DC Output Voltage: 100 V DC Output Current: 50 A DC Output Power: 5000 W CV Ripple Noise Peak To Peak: 100 mV (20 MHz) CV Ripple Noise RMS: 15 mV (5 Hz to 1 MHz) CV Load Regulation: 20 mV CC Load Regulation: 50 mA CV Line Regulation: 10 mV CC Line Regulation: 25 mA Programming Accuracy Voltage: 0.025 percent + 75 mV Programming Accuracy Current: 0.1 percent + 150 mA Measurement Accuracy Voltage: 0.025 percent + 125 mV Measurement Accuracy Current: 0.1 percent + 150 mA Load Transient Recovery Time: less than 1 ms Form Factor: 2U 19 inch class Remote Interfaces: GPIB LAN USB Series Family: Keysight N8700 Series Brand Lineage: Agilent / Keysight Instrument Type: programmable system DC power supply Output Channels: 1 AC Input Option Path: 208 VAC or 400 VAC factory option classes Command Response Time Typical Class: 100 ms class LXI Ready Interfaces: Ethernet LAN class Notes From Keysight N8700 Series System DC Power Supplies data sheet model column for N8759A.

N8759A Characteristics / Specifications

PARAMETER	VALUE
Model	N8759A
DC Output Voltage	100 V
DC Output Current	50 A
DC Output Power	5000 W
CV Ripple Noise Peak To Peak	100 mV (20 MHz)
CV Ripple Noise RMS	15 mV (5 Hz to 1 MHz)
CV Load Regulation	20 mV
CC Load Regulation	50 mA
CV Line Regulation	10 mV
CC Line Regulation	25 mA
Programming Accuracy Voltage	0.025 percent + 75 mV
Programming Accuracy Current	0.1 percent + 150 mA
Measurement Accuracy Voltage	0.025 percent + 125 mV
Measurement Accuracy Current	0.1 percent + 150 mA
Load Transient Recovery Time	less than 1 ms
Form Factor	2U 19 inch class
Remote Interfaces	GPIB LAN USB
Series Family	Keysight N8700 Series
Brand Lineage	Agilent / Keysight
Instrument Type	programmable system DC power supply
Output Channels	1
AC Input Option Path	208 VAC or 400 VAC factory option classes
Command Response Time Typical Class	100 ms class
LXI Ready Interfaces	Ethernet LAN class

N8759A Specifications

PARAMETER	VALUE
Agilent Keysight N8759A System DC Power Supply	Overview
Key Features	2U high power N8700 platform
OVP OCP OTP protection class	Analog programming and monitoring
Technical Specifications	Model: N8759A
Notes	From Keysight N8700 Series System DC Power Supplies data sheet model column for N8759A.

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
Model	N8759A
DC Output Voltage	100 V
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Programming Accuracy Voltage	0.025 percent + 75 mV
Programming Accuracy Current	0.1 percent + 150 mA
Measurement Accuracy Voltage	0.025 percent + 125 mV
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Load Transient Recovery Time	less than 1 ms
Form Factor	2U 19 inch class
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Notes
From Keysight N8700 Series System DC Power Supplies data sheet model column for N8759A.

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

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