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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8734A DC Power Supply, 10 V, 330 A, 3300 W

Keysight (Agilent) N8734A DC Power Supply, 20 V, 165 A, 3300 W The Keysight N8734A is an N8700 Series system DC power supply rated 20 V / 165 A / 3300 W in a compact 2U package. Some marketplace listings mislabel this model as 10 V / 330 A (that rating is N8732A); OEM datasheet ratings for N8734A are 20 V / 165 A / 3300 W. Flexible AC input options; GPIB/LAN (LXI)/USB; built-in V/I measurement; analog/resistance control; parallel and series stacking. System DC bias; high-current 20 V ATE; rack power for component and automotive tests. The Keysight N8734A is an N8700 Series system DC power supply rated 20 V / 165 A / 3300 W in a compact 2U package. Some marketplace listings mislabel this model as 10 V / 330 A (that rating is N8732A); OEM datasheet ratings for N8734A are 20 V / 165 A / 3300 W. Flexible AC input options; GPIB/LAN (LXI)/USB; built-in V/I measurement; analog/resistance control; parallel and series stacking. System DC bias; high-current 20 V ATE; rack power for component and automotive tests.



MODEL

**Keysight / Agilent
N8734A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8734A

LISTING

<https://aumictechlabs.com/products/n8734a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8734A is a single-output DC power supply delivering 0–10 V at up to 330 A, with a maximum power rating of 3300 W. Built for precision and stability in industrial and research environments, it combines low noise output with accurate voltage and current regulation across demanding load conditions.

Technical Specifications

Output Ratings Output voltage: 0–10 V Output current: 0–330 A Maximum power: 3300 W Single isolated output

Accuracy & Noise Voltage programming accuracy: $\pm 0.1\%$ of setting ± 30 mV Current programming accuracy: $\pm 0.2\%$ of setting ± 300 mA Voltage readback accuracy: $\pm 0.05\%$ of reading ± 15 mV Current readback accuracy: $\pm 0.1\%$ of reading ± 150 mA Output ripple and noise (20 Hz–20 MHz): ≤ 10 mVrms (voltage), ≤ 100 mArms (current) Efficiency: $>87\%$ at full load

Input Requirements Input voltage: 187–264 VAC (L-N), 3-phase Input frequency: 47–63 Hz Input current: 12 A RMS at 230 VAC, full load Power factor: >0.98 at full load

Environmental Operating temperature: 0 °C to 50 °C Storage temperature: –20 °C to 70 °C Operating humidity: 20% to 85% RH, non-condensing

Key Features Remote voltage sensing for enhanced regulation accuracy Programmable overvoltage and overcurrent protection (OVP/OCP) Internal over-temperature shutdown Standard SCPI command control via LAN (LXI) and USB; GPIB optional FCC Class A and CE emissions compliance; UL, CSA, and TÜV certified 19-inch rack-mountable form factor: 177 mm H $\times$ 442 mm W $\times$ 495 mm D; 22 kg

Typical Applications High-current DC power distribution, electroplating systems, materials testing, battery charging, and thermal chamber power delivery.

Compatibility & Integration LXI-enabled with native Ethernet and USB connectivity. GPIB interface available as an option. Remote sensing capability supports precision load regulation at extended distances.

Features & description

From manufacturer datasheet

Features

- 20 V / 165 A / 3,300 W (OEM N8700 table) • 2U high-density package • Interfaces: GPIB, LAN (LXI-Core), USB • CV ripple: 60 mV p-p / 8 mV rms • Programming accuracy: 0.05% + 10 mV (V); 0.1% + 330 mA (I) • Parallel / series multi-unit capability • OVP/OCP/OTP

N8734A Characteristics / Specifications

PARAMETER	VALUE
Model	N8734A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N8700 Series (3.3 kW class)
Alias	N8734A DC Output Ratings
Voltage	0.05% + 10 mV
Current	0.1% + 495 mA Load Transient Recovery
Power	3,300 W Output Ripple and Noise
CV rms	8 mV Programming Accuracy
Time	< 1 ms (family low-voltage group) Operational Notes Do not confuse with N8732A (10 V / 330 A / 3300 W). Prefer Keysight N8700 Series datasheet 5990-3881.
Interfaces	GPIB, LAN (LXI-Core), USB
CV ripple	60 mV p-p / 8 mV rms
Programming accuracy	0.05% + 10 mV (V); 0.1% + 330 mA (I)

N8734A Specifications

PARAMETER	VALUE
Applications	System DC bias; high-current 20 V ATE; rack power for component and automotive tests.
Key Features	- 20 V / 165 A / 3,300 W (OEM N8700 table)
Technical Specifications	Model: N8734A
DC Output Ratings	Voltage: 0 to 20 V
Output Ripple and Noise	CV p-p: 60 mV
Measurement Accuracy	Voltage: 0.1% + 20 mV
Load Transient Recovery	Time: < 1 ms (family low-voltage group)
Operational Notes	Do not confuse with N8732A (10 V / 330 A / 3300 W). Prefer Keysight N8700 Series datasheet 5990-3881.

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	N8734A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N8700 Series (3.3 kW class)
Alias	N8734A

DC Output Ratings

Specifications

PARAMETER	VALUE
Voltage	0 to 20 V
Current	0 to 165 A
Power	3,300 W

Output Ripple and Noise

CV p-p: 60 mV

CV rms: 8 mV

Programming Accuracy

Voltage: 0.05% + 10 mV

Current: 0.1% + 330 mA

Measurement Accuracy

Voltage: 0.1% + 20 mV

Current: 0.1% + 495 mA

Load Transient Recovery

Time: < 1 ms (family low-voltage group)

Operational Notes

Do not confuse with N8732A (10 V / 330 A / 3300 W). Prefer Keysight N8700 Series datasheet 5990-3881.

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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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.