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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8735A DC Power Supply, 30 V, 110 A, 3300 W, Programmable

Keysight (Agilent) N8735A DC Power Supply, 30 V, 110 A, 3300 W, Programmable The Keysight N8735A is an N8700 Series system DC power supply rated 30 V / 110 A / 3300 W in a compact 2U package. Flexible AC input options; GPIB/LAN (LXI)/USB; built-in V/I measurement; analog/resistance control; parallel and series stacking. System DC bias; 30 V high-current ATE; rack power for component and automotive tests. The Keysight N8735A is an N8700 Series system DC power supply rated 30 V / 110 A / 3300 W in a compact 2U package. Flexible AC input options; GPIB/LAN (LXI)/USB; built-in V/I measurement; analog/resistance control; parallel and series stacking. System DC bias; 30 V high-current ATE; rack power for component and automotive tests.



MODEL

**Keysight / Agilent
N8735A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8735A

LISTING

<https://aumictechlabs.com/products/n8735a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8735A is a programmable single-output DC power supply delivering 30 V, 110 A, and 3300 W for demanding test and measurement applications. This 2U rack-mount instrument combines high power density with flexible control interfaces, enabling both manual front-panel operation and fully automated remote command via GPIB, LAN (LXI-C), or USB. The supply operates in constant voltage and constant current modes, with programming accuracy of $\pm 0.05\%$.

+ 15 mV (voltage) and $\pm 0.1\%$ + 220 mA (current). Front-to-back airflow cooling permits stacking without additional overhead clearance, while built-in over-voltage, over-current, and over-temperature protection safeguard connected loads. Fifteen store/recall states preserve custom configurations, and independent remote on/off and enable/disable control streamline integration into test benches and automated test equipment racks. The unit accepts single-phase 190-240 V, 50/60 Hz input (Opt. 230) or three-phase 180-235 V, 50/60 Hz input (N8735A-208). Up to four units may be paralleled for increased current; series connection of up to two units increases output voltage. BenchVue Basic software (node-locked) is included.

Technical Specifications
Output: 30 V, 110 A, 3300 W
Voltage Accuracy: $\pm 0.05\%$ + 15 mV
Current Accuracy: $\pm 0.1\%$ + 220 mA
Input Power: 190-240 V, 50/60 Hz, single-phase (Opt. 230); 180-235 V, 50/60 Hz, three-phase (N8735A-208)
Form Factor: 2U rack-mount

Key Features
Constant voltage/constant current operation modes
GPIB, LAN (LXI-C), and USB interfaces with built-in web server for remote monitoring
Analog/resistance control of output voltage and current
Fifteen configuration states (store/recall)
Front panel rotary knobs with lock capability
Independent remote on/off and enable/disable control
Over-voltage, over-current, and over-temperature protection
Front-to-back airflow for stackable deployment

Typical Applications
Automated test equipment (ATE) integration
System test bench power delivery
Device characterization and validation
Modular test rack configurations

Compatibility & Integration
Parallel operation: up to 4 units for increased output current
Series connection: up to 2 units for increased output voltage
Includes BenchVue Basic software license (node-locked)

Features & description

From manufacturer datasheet

Features

• 30 V / 110 A / 3,300 W • 2U high-density package • Interfaces: GPIB, LAN (LXI-Core), USB • CV ripple: 60 mV p-p / 8 mV rms • Programming accuracy: 0.05% + 15 mV (V); 0.1% + 220 mA (I) • OVP/OCP/OTP

N8735A Characteristics / Specifications

PARAMETER	VALUE
Model	N8735A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N8700 Series (3.3 kW class)
Alias	N8735A DC Output Ratings
Voltage	0 to 30 V; Current: 0 to 110 A; Power: 3,300 W Output Ripple and Noise
Time	< 1 ms Operational Notes 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% + 15 mV (V); 0.1% + 220 mA (I)

N8735A Specifications

PARAMETER	VALUE
Applications	System DC bias; 30 V high-current ATE; rack power for component and automotive tests.
Key Features	- 30 V / 110 A / 3,300 W
Technical Specifications	Model: N8735A
DC Output Ratings	Voltage: 0 to 30 V; Current: 0 to 110 A; Power: 3,300 W
Output Ripple and Noise	CV p-p: 60 mV; CV rms: 8 mV
Measurement Accuracy	Voltage: 0.1% + 30 mV; Current: 0.1% + 330 mA
Load Transient Recovery	Time: < 1 ms
Operational Notes	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	N8735A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N8700 Series (3.3 kW class)
Alias	N8735A

DC Output Ratings

Voltage: 0 to 30 V; Current: 0 to 110 A; Power: 3,300 W

Output Ripple and Noise

CV p-p: 60 mV; CV rms: 8 mV

Programming Accuracy

Voltage: 0.05% + 15 mV; Current: 0.1% + 220 mA

Measurement Accuracy

Voltage: 0.1% + 30 mV; Current: 0.1% + 330 mA

Load Transient Recovery

Time: < 1 ms

Operational Notes

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.