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Data Sheet

August 3, 2026

KEYSIGHT

Keysight N8736A DC Power Supply, 40 V, 85 A, 3400 W, Programmable

Keysight N8736A DC Power Supply, 40 V, 85 A, 3400 W, Programmable The Keysight N8736A is an N8700 Series ATE system DC power supply providing 40 V / 85 A / 3400 W in compact 2U package. It includes built-in voltage and current measurement, GPIB/LAN/USB/LXI interfaces, analog/resistance programming, and support for parallel/series connection of multiple units. ATE system DC power; high-current 40 V rail testing; R&D and manufacturing aerospace/automotive/component test. The Keysight N8736A is an N8700 Series ATE system DC power supply providing 40 V / 85 A / 3400 W in compact 2U package. It includes built-in voltage and current measurement, GPIB/LAN/USB/LXI interfaces, analog/resistance programming, and support for parallel/series connection of multiple units. ATE system DC power; high-current 40 V rail testing; R&D and manufacturing aerospace/automotive/component test.



MODEL

Keysight N8736A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8736A

LISTING

<https://aumictechlabs.com/products/n8736a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N8736A is a programmable DC power supply engineered for automated test equipment (ATE) and system integration applications requiring high power density in a compact footprint. Delivering 3400 W at 40 VDC and 85 ADC, this 2U rack-mount unit combines precision

output control with multiple communication interfaces LAN (LXI Core), USB, GPIB, and analog programming - enabling seamless integration into distributed test systems.

Technical Specifications

Output Ratings Voltage: 40 VDC Current: 85 ADC Power: 3400 W

Programming Accuracy Voltage: 0.05% + 20 mV Current: 0.1% + 170 mA Output Ripple and Noise CV peak-to-peak: 60 mV CV rms: 8 mV

Power Input AC Input Voltage: 208 VAC $\pm 10\%$ to 400 VAC (factory-configured options: 190-240 V single-phase; 360-440 V three-phase; 180-235 V three-phase)

Input Frequency: 45 to 65 Hz or 50/60 Hz Operating Supply Voltage: 260 V Physical Form Factor: 2U rack mount Dimensions: 88 mm H $\times$ 423 mm W Weight: Minimum 13 kg Airflow: Front-to-back

Environmental Operating Temperature: 0 °C to 55 °C

Key Features Autoranging output with built-in voltage and current measurement Front-panel operation via rotary knobs and buttons with lockout capability Power-on state options: last-setting memory or factory default Over-voltage, over-current, and over-temperature protection Parallel and series connection support for increased output capability Built-in web server for LAN-based remote control SCPI command support with standard IVI-COM drivers Includes Keysight BenchVue Basic for power supplies (BV0003B) node-locked license

Typical Applications High-current power delivery in component and system-level testing; high-power device characterization; automated production test environments requiring precision output stability and remote programmability.

Compatibility & Integration LXI-compatible instrument with Safety Class I rating. RoHS compliant. Export classification EAR99. Input voltage configuration is factory-installed and cannot be modified after delivery.

Features & description

From manufacturer datasheet

Features

- Output: 40 V / 85 A / 3400 W • Form factor: 2U • Interfaces: GPIB, LAN, USB, LXI • Built-in V/I measurement • Analog / resistance control of V and I • Parallel and series multi-unit operation • Flexible AC input options

N8736A Characteristics / Specifications

PARAMETER	VALUE
Model	N8736A
Manufacturer	Keysight Technologies
Instrument Type	Programmable System DC Power Supply
Family	N8700 Series (3300–5000 W class)
Alias	N8736A DC Output Ratings
Voltage	0 to 40 V
Current	0 to 85 A
Power	3400 W System Features
Programming accuracy and ripple	per N8700 Series datasheet 5990-3881 model row for N8736A
Interfaces	GPIB, LAN, USB, LXI
Package	2U Operational Notes Prefer Keysight N8700 Series datasheet for full programming accuracy, ripple, and AC input tables for N8736A.
Output	40 V / 85 A / 3400 W
Form factor	2U

N8736A Specifications

PARAMETER	VALUE
Applications	ATE system DC power; high-current 40 V rail testing; R&D and manufacturing aerospace/automotive/component test.
Key Features	- Output: 40 V / 85 A / 3400 W
Technical Specifications	Model: N8736A
DC Output Ratings	Voltage: 0 to 40 V
System Features	Programming accuracy and ripple: per N8700 Series datasheet 5990-3881 model row for N8736A
Operational Notes	Prefer Keysight N8700 Series datasheet for full programming accuracy, ripple, and AC input tables for N8736A.

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	N8736A
Manufacturer	Keysight Technologies
Instrument Type	Programmable System DC Power Supply
Family	N8700 Series (3300-5000 W class)
Alias	N8736A
DC Output Ratings	
Specifications	
PARAMETER	VALUE
Voltage	0 to 40 V
Current	0 to 85 A
Power	3400 W
System Features	
Specifications	
PARAMETER	VALUE
Programming accuracy and ripple	per N8700 Series datasheet 5990-3881 model row for N8736A
Interfaces	GPIB, LAN, USB, LXI
Package	2U
Operational Notes	
Prefer Keysight N8700 Series datasheet for full programming accuracy, ripple, and AC input tables for N8736A.	

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.