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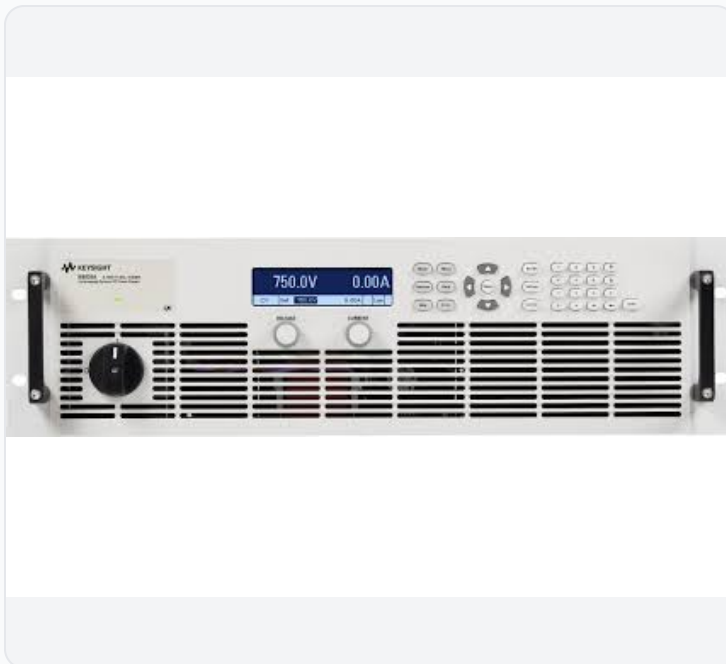
Data Sheet

August 3, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8935A Autoranging System DC Power Supply

Keysight (Agilent) N8935A Autoranging System DC Power Supply The Keysight N8935A is an N8900 Series autoranging system DC power supply (208 VAC) rated 750 V / 60 A / 15 kW. Autoranging provides combinations such as 750 V @ 20 A and 250 V @ 60 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-voltage / mid-current ATE on 208 Vac sites; autoranging system DC; parallel multi-unit power. The Keysight N8935A is an N8900 Series autoranging system DC power supply (208 VAC) rated 750 V / 60 A / 15 kW. Autoranging provides combinations such as 750 V @ 20 A and 250 V @ 60 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-voltage / mid-current ATE on 208 Vac sites; autoranging system DC; parallel multi-unit power.



MODEL

**Keysight / Agilent
N8935A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8935A

LISTING

[https://aumictechlabs.c
om/products/n8935a-
2/](https://aumictechlabs.com/products/n8935a-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8935A is a 15 kW autoranging DC power supply engineered for automated test equipment (ATE) applications requiring high-power, flexible voltage-current combinations. This single-output programmable supply delivers 0–750 V and 0–60 A at full 15,000 W capacity, eliminating the need for multiple discrete units across different operating points. Autoranging

capability automatically selects optimal voltage and current settings, maintaining full power output across the entire operating envelope.

Technical Specifications

Output: 0–750 V, 0–60 A, 15 kW maximum

Programming Accuracy: $\pm 0.1\%$ voltage (full-scale), $\pm 0.2\%$ current (full-scale)

Built-in voltage and current measurements

AC Input: 187–240 VAC, 3-phase at 208 VAC

Protection: Over-voltage, over-current, over-temperature

Form Factor: 3U rack mount (5.25 inches / 13.34 cm height)

Key Features

- Autoranging output maintains 15 kW across wide voltage-current operating range
- Standard interfaces: LAN (LXI Core), USB, GPIB, analog
- Parallel operation supported up to ten units for 100 kW total output
- Master/slave control architecture for synchronized multi-unit systems
- Single-supply programmability simplifies ATE integration and control logic

Typical Applications

- High-power device characterization and functional testing
- Power conversion system validation (DC-DC, AC-DC topologies)
- Thermal and reliability stress testing under variable load conditions
- Battery simulation and charging profile development
- Aerospace, automotive, and industrial electronics ATE platforms

Compatibility & Integration

The N8935A mounts in standard 19-inch racks using the optional Keysight N8958A Rack Mount Kit. Multi-unit systems integrate via LAN or GPIB for centralized control, enabling flexible power delivery architecture in modular ATE systems.

Features & description

From manufacturer datasheet

Features

- 750 V / 60 A / 15,000 W • Autoranging: 20 A @ 750 V; 250 V @ 60 A • AC: 208 VAC nominal (N8935A) • Interfaces: LAN (LXI), USB, GPIB, analog • OVP/OCP/OTP; parallel primary/secondary

N8935A Characteristics / Specifications

PARAMETER	VALUE
Model	N8935A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (15 kW, 208 VAC)
Alias	N8935A DC Output
Voltage	0–750 V; Current: 0–60 A; Power: 15,000 W
Autoranging	20 A @ 750 V; 250 V @ 60 A
Interfaces	LAN (LXI), USB, GPIB, analog

N8935A Specifications

PARAMETER	VALUE
Applications	High-voltage / mid-current ATE on 208 Vac sites; autoranging system DC; parallel multi-unit power.
Key Features	- 750 V / 60 A / 15,000 W
Technical Specifications	Model: N8935A
DC Output	Voltage: 0–750 V; Current: 0–60 A; Power: 15,000 W
Performance	Per N8900 datasheet N8935A/N8955A (750 V / 15 kW) column for ripple, accuracy, OVP (0–825 V class)
AC Input	208–240 VAC nominal ±10%; 3-phase; 45–65 Hz; PF > 0.99
Operational Notes	N8955A is the 400 Vac twin. Prefer N8900 datasheet 5991-2818EN.

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	N8935A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (15 kW, 208 VAC)
Alias	N8935A

DC Output

Voltage: 0-750 V; Current: 0-60 A; Power: 15,000 W

Current @ Max Voltage: 20.0 A; Voltage @ Max Current: 250.0 V

Performance

Per N8900 datasheet N8935A/N8955A (750 V / 15 kW) column for ripple, accuracy, OVP (0-825 V class)

AC Input

208-240 VAC nominal ±10%; 3-phase; 45-65 Hz; PF > 0.99

Operational Notes

N8955A is the 400 Vac twin. Prefer N8900 datasheet 5991-2818EN.

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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Generated August 3, 2026

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