

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8955A Autoranging System DC Power Supply, 750 V, 60 A, 15000 W

Keysight (Agilent) N8955A Autoranging System DC Power Supply, 750 V, 60 A, 15000 W The Keysight N8955A is an N8900 Series autoranging system DC power supply (400 VAC) rated 750 V / 60 A / 15 kW. Autoranging supports 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 ATE on 400 Vac; autoranging system DC; parallel multi-unit banks. The Keysight N8955A is an N8900 Series autoranging system DC power supply (400 VAC) rated 750 V / 60 A / 15 kW. Autoranging supports 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 ATE on 400 Vac; autoranging system DC; parallel multi-unit banks.



MODEL

**Keysight / Agilent
N8955A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8955A

LISTING

<https://aumictechlabs.com/products/n8955a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight (Agilent) N8955A is a high-power autoranging DC power supply engineered for demanding ATE systems, component testing, and R&D applications. It delivers 15,000 W across a wide voltage and current operating range, with the ability to output any combination of 0–750 V and 0–60 A at full power. Unlike fixed-ratio supplies, autoranging capability allows a single unit to

replace multiple traditional power supplies. Technical Specifications DC Output Ratings: Voltage: 0–750 V Current: 0–60 A Power: 15,000 W AC Input: Voltage Range: 360–440 VAC Input Voltage: 400 VAC Line Configuration: L1, L2, L3, PE (three-phase) Programming Accuracy: Voltage: 0.1% of full-scale Current: 0.2% of full-scale Physical & Packaging: Rack Form Factor: 3U (5.25" / 13.34 cm) Rack Mountable: Yes Key Features Autoranging Architecture: Flexible voltage–current combinations maintain full 15 kW across the entire output envelope, eliminating the need for multiple supplies in multi-voltage test environments. High Power Density: 15 kW integrated into a single 3U rack slot. Built-in Measurement: Integrated voltage and current metering for real-time monitoring. Parallel Scalability: Multiple N8955A units can be paralleled via built-in master/slave control to achieve over 100 kW total output. Protection Suite: Over-voltage, over-current, and over-temperature protection. Multi-Protocol Connectivity: LAN (LXI Core), USB, GPIB, and analog interfaces for seamless ATE integration. Typical Applications Automatic test equipment (ATE), high-power component validation, aerospace and defense testing, industrial power conversion development, and multi-voltage research applications. Compatibility & Integration Member of the Keysight N8900 Series. Supports both standalone operation and parallel configurations for distributed power architectures.

Features & description

From manufacturer datasheet

Features

- 750 V / 60 A / 15,000 W • Autoranging: 20.0 A @ 750 V; 250.0 V @ 60 A • AC: 400 VAC nominal • Interfaces: LAN (LXI), USB, GPIB, analog • OVP/OCP/OTP; parallel primary/secondary

N8955A Characteristics / Specifications

PARAMETER	VALUE
Model	N8955A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (15 kW, 400 VAC)
Alias	N8955A DC Output
Voltage	0–750 V; Current: 0–60 A; Power: 15,000 W
Autoranging	20.0 A @ 750 V; 250.0 V @ 60 A
Interfaces	LAN (LXI), USB, GPIB, analog

N8955A Specifications

PARAMETER	VALUE
Applications	High-voltage ATE on 400 Vac; autoranging system DC; parallel multi-unit banks.
Key Features	- 750 V / 60 A / 15,000 W
Technical Specifications	Model: N8955A
DC Output	Voltage: 0–750 V; Current: 0–60 A; Power: 15,000 W
Performance	Per N8900 datasheet 5991-2818EN N8935A/N8955A (750 V / 15 kW) column
AC Input	400 VAC nominal $\pm 10\%$; 3-phase; 45–65 Hz; PF > 0.99
Operational Notes	N8935A is the 208 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	N8955A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (15 kW, 400 VAC)
Alias	N8955A

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 5991-2818EN N8935A/N8955A (750 V / 15 kW) column

AC Input

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

Operational Notes

N8935A is the 208 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 5, 2026

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