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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8925A Autoranging System DC Power Supply, 80 V, 340 A

Keysight (Agilent) N8925A Autoranging System DC Power Supply, 80 V, 340 A, 10000 W The Keysight N8925A is an N8900 Series autoranging system DC power supply (208 VAC) rated 80 V / 340 A / 10 kW. Autoranging supports combinations such as 80 V @ 125 A and 29.4 V @ 340 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. Very high-current ATE on 208 Vac; autoranging system DC; parallel banks for >100 kW class systems. The Keysight N8925A is an N8900 Series autoranging system DC power supply (208 VAC) rated 80 V / 340 A / 10 kW. Autoranging supports combinations such as 80 V @ 125 A and 29.4 V @ 340 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. Very high-current ATE on 208 Vac; autoranging system DC; parallel banks for >100 kW class systems.



MODEL

**Keysight / Agilent
N8925A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8925A

LISTING

<https://aumictechlabs.com/products/n8925a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8925A is an autoranging system DC power supply engineered for high-power ATE applications. It delivers up to 80 V and 340 A with a maximum output of 10 kW in a compact 3U rack-mountable form factor. Unlike traditional fixed-ratio power supplies, the N8925A's

autoranging topology provides a continuous spectrum of voltage and current combinations at full 10 kW power - enabling a single unit to replace multiple conventional supplies and optimize test floor space and cost.

Technical Specifications Output Power: 10 kW maximum Voltage Range: 0 V to 80 V Current Range: 0 A to 340 A Input: 208 VAC nominal (187 VAC to 240 VAC range)

Physical: 3U rack-mountable single-output configuration **Built-in Measurement:** Integrated voltage and current measurement

Key Features Autoranging output delivers full 10 kW across the entire voltage/current envelope. At maximum voltage (80 V), current reaches 125 A; at maximum current (340 A), voltage reaches 29.4 V. Wide AC input tolerance (187–240 VAC) accommodates international and variable facility power without de-rating. Integrated over-voltage, over-current, and over-temperature protection safeguards DUT and test infrastructure. Parallel operation of multiple units enables aggregate power exceeding 100 kW from a single logical source.

Compatibility & Integration Interfaces: GPIB, USB, LAN (LXI Core compliant), and analog control/monitoring Programmable and measurable through standard instrument protocols Multi-unit paralleling for scaled power delivery without adding control complexity

Features & description

From manufacturer datasheet

Features

- 80 V / 340 A / 10,000 W • Autoranging: 125.0 A @ 80 V; 29.4 V @ 340 A • AC: 208 VAC nominal • Interfaces: LAN (LXI), USB, GPIB, analog • OVP/OCP/OTP; parallel primary/secondary

N8925A Characteristics / Specifications

PARAMETER	VALUE
Model	N8925A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (10 kW, 208 VAC)
Alias	N8925A DC Output
Voltage	0–80 V; Current: 0–340 A; Power: 10,000 W
Autoranging	125.0 A @ 80 V; 29.4 V @ 340 A
Interfaces	LAN (LXI), USB, GPIB, analog

N8925A Specifications

PARAMETER	VALUE
Applications	Very high-current ATE on 208 Vac; autoranging system DC; parallel banks for >100 kW class systems.
Key Features	- 80 V / 340 A / 10,000 W
Technical Specifications	Model: N8925A
DC Output	Voltage: 0–80 V; Current: 0–340 A; Power: 10,000 W
Performance	Per N8900 datasheet 5991-2818EN N8925A/N8945A (80 V / 10 kW) column
AC Input	208 VAC nominal $\pm 10\%$; 3-phase; 45–65 Hz; PF > 0.99
Operational Notes	N8945A 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	N8925A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (10 kW, 208 VAC)
Alias	N8925A

DC Output

Voltage: 0–80 V; Current: 0–340 A; Power: 10,000 W

Current @ Max Voltage: 125.0 A; Voltage @ Max Current: 29.4 V

Performance

Per N8900 datasheet 5991-2818EN N8925A/N8945A (80 V / 10 kW) column

AC Input

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

Operational Notes

N8945A 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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.