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Data Sheet

August 3, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8929A DC System Power Supply, Single Output, 750 V, 40 A

Keysight (Agilent) N8929A DC System Power Supply, Single Output, 750 V, 40 A The Keysight N8929A is an N8900 Series autoranging system DC power supply (208 VAC input family) rated 750 V / 40 A / 10 kW. Autoranging provides flexible V/I combinations at full power (e.g., 750 V @ 13.3 A and 250 V @ 40 A at 10 kW). Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U form. High-voltage ATE; autoranging system DC bias; parallel multi-unit high-power setups. The Keysight N8929A is an N8900 Series autoranging system DC power supply (208 VAC input family) rated 750 V / 40 A / 10 kW. Autoranging provides flexible V/I combinations at full power (e.g., 750 V @ 13.3 A and 250 V @ 40 A at 10 kW). Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U form. High-voltage ATE; autoranging system DC bias; parallel multi-unit high-power setups.



MODEL

**Keysight / Agilent
N8929A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8929A

LISTING

<https://aumictechlabs.com/products/n8929a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8929A is a single-output autoranging DC system power supply delivering 750 V and 40 A at 10 kW maximum power. Designed for automated test equipment (ATE) applications, this N8900 Series unit replaces multiple traditional rectangular supplies by offering flexible

voltage and current combinations across its full 10 kW operating envelope. At maximum voltage (750 V), output current is limited to 13.3 A; at maximum current (40 A), voltage is capped at 250 V - both respecting the 10 kW power boundary. Technical Specifications Output voltage: 0–750 V Output current: 0–40 A Maximum power: 10,000 W (10 kW) Input: 208 VAC, 3-phase, 187–240 VAC range Programming accuracy: $\pm 0.1\%$ full-scale (voltage), $\pm 0.2\%$ full-scale (current) Measurement accuracy: ± 80 mV (voltage) Output ripple and noise: 200 mV peak-to-peak (CV mode) Command response time: 100 kW output with unified programming control Scalable architecture enables expansion without individual unit reconfiguration

Features & description

From manufacturer datasheet

Features

- 750 V / 40 A / 10,000 W • Autoranging: Current @ max V 13.3 A; Voltage @ max I 250 V • AC input: 208 VAC nominal (N8929A) • Interfaces: LAN (LXI), USB, GPIB, analog – standard • OVP/OCP/OTP; parallel primary/secondary

N8929A Characteristics / Specifications

PARAMETER	VALUE
Model	N8929A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (10 kW, 208 VAC)
Alias	N8929A DC Output
Voltage	0–750 V; Current: 0–40 A; Power: 10 kW
Load transient recovery	≤ 1.5 ms (family)
OVP range	0–825 V class AC Input 208–240 VAC nominal ±10%; 45–65 Hz; 3-phase; PF > 0.99 Operational Notes N8949A is the 400 VAC twin (same 750 V/40 A/10 kW). Prefer N8900 Series datasheet.
Autoranging	Current @ max V 13.3 A; Voltage @ max I 250 V
AC input	208 VAC nominal (N8929A)
Interfaces	LAN (LXI), USB, GPIB, analog – standard

N8929A Specifications

PARAMETER	VALUE
Key Features	- 750 V / 40 A / 10,000 W
Technical Specifications	Model: N8929A
DC Output	Voltage: 0–750 V; Current: 0–40 A; Power: 10 kW
Performance (750 V / 10 kW column class)	CV p-p / rms, load effect, programming/measurement accuracy: per N8900 datasheet 5991-2818EN row for N8929A/N8949A class
Operational Notes	N8949A is the 400 VAC twin (same 750 V/40 A/10 kW). Prefer N8900 Series datasheet.

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	N8929A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (10 kW, 208 VAC)
Alias	N8929A

DC Output

Voltage: 0-750 V; Current: 0-40 A; Power: 10 kW

Current @ Max Voltage: 13.3 A; Voltage @ Max Current: 250 V

Performance (750 V / 10 kW column class)

CV p-p / rms, load effect, programming/measurement accuracy: per N8900 datasheet 5991-2818EN row for N8929A/N8949A class

Specifications

PARAMETER	VALUE
Load transient recovery	≤ 1.5 ms (family)
OVP range	0-825 V class
AC Input	208-240 VAC nominal ±10%; 45-65 Hz; 3-phase; PF > 0.99

Operational Notes

N8949A is the 400 VAC twin (same 750 V/40 A/10 kW). Prefer N8900 Series datasheet.

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.