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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N8928A Single Output, 500V, 60A, 10kW, N8900 Series

Keysight (Agilent) N8928A Single Output, 500 V, 60 A, 10 kW, N8900 Series The Keysight N8928A is an N8900 Series autoranging system DC power supply (208 VAC) rated 500 V / 60 A / 10 kW. Autoranging supports combinations such as 500 V @ 20 A and 166.7 V @ 60 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-voltage ATE on 208 Vac; autoranging system DC; parallel multi-unit banks. The Keysight N8928A is an N8900 Series autoranging system DC power supply (208 VAC) rated 500 V / 60 A / 10 kW. Autoranging supports combinations such as 500 V @ 20 A and 166.7 V @ 60 A at full power. Built-in V/I measurement; LAN/USB/GPIB/analog; LXI Core; 3U. High-voltage ATE on 208 Vac; autoranging system DC; parallel multi-unit banks.



MODEL

**Keysight / Agilent
N8928A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N8928A

LISTING

<https://aumictechlabs.com/products/n8928a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N8928A is a single-output, 10 kW autoranging programmable DC power supply engineered for automated test equipment (ATE) applications. It delivers 0–500 V and 0–60 A across a continuous 10,000 W power envelope, enabling full-power operation across diverse voltage and current combinations. This autoranging architecture eliminates the need for multiple

conventional supplies, reducing system complexity and footprint while maintaining $\pm 0.1\%$ voltage and $\pm 0.2\%$ current accuracy.

Technical Specifications

Output Power: 10,000 W maximum
Voltage Range: 0 to 500 V
Current Range: 0 to 60 A
Voltage Accuracy: $\pm 0.1\%$ of full-scale
Current Accuracy: $\pm 0.2\%$ of full-scale
AC Input: 187–240 VAC, 3-phase at 208 VAC
Form Factor: 3U rack-mountable (5.25 inches)

Key Features

- Autoranging output maintains full 10 kW power across the entire voltage/current operating envelope
- Built-in voltage and current measurements with simultaneous front-panel display
- Protection against over-voltage, over-current, and over-temperature faults
- Parallel operation capability: multiple units can be cascaded for >100 kW total output using built-in parallel link and master/slave control
- Internal cooling with front-intake, rear-exhaust airflow (requires 8 inches minimum front clearance)

Interfaces & Control

- LAN (LXI Core Specification compliant)
- USB 2.0
- GPIB
- Analog interface
- IVI-COM drivers and SCPI command support
- Built-in web server for remote browser-based access and control

Typical Applications

Power supply for ATE systems, high-power device testing, multi-rail load simulation, and accelerated stress testing where flexible voltage/current delivery and full-power autoranging are required.

Features & description

From manufacturer datasheet

Features

- 500 V / 60 A / 10,000 W • Autoranging: 20.0 A @ 500 V; 166.7 V @ 60 A • AC: 208 VAC nominal • Interfaces: LAN (LXI), USB, GPIB, analog • OVP/OCP/OTP; parallel primary/secondary

N8928A Characteristics / Specifications

PARAMETER	VALUE
Model	N8928A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (10 kW, 208 VAC)
Alias	N8928A DC Output
Voltage	0–500 V; Current: 0–60 A; Power: 10,000 W
Autoranging	20.0 A @ 500 V; 166.7 V @ 60 A
Interfaces	LAN (LXI), USB, GPIB, analog

N8928A Specifications

PARAMETER	VALUE
Applications	High-voltage ATE on 208 Vac; autoranging system DC; parallel multi-unit banks.
Key Features	- 500 V / 60 A / 10,000 W
Technical Specifications	Model: N8928A
DC Output	Voltage: 0–500 V; Current: 0–60 A; Power: 10,000 W
Performance	Per N8900 datasheet 5991-2818EN N8928A/N8948A (500 V / 10 kW) column
AC Input	208 VAC nominal $\pm 10\%$; 3-phase; 45–65 Hz; PF > 0.99
Operational Notes	N8948A 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	N8928A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Autoranging System DC Power Supply
Family	N8900 Series (10 kW, 208 VAC)
Alias	N8928A

DC Output

Voltage: 0-500 V; Current: 0-60 A; Power: 10,000 W

Current @ Max Voltage: 20.0 A; Voltage @ Max Current: 166.7 V

Performance

Per N8900 datasheet 5991-2818EN N8928A/N8948A (500 V / 10 kW) column

AC Input

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

Operational Notes

N8948A 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

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

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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.