

[Images](#)

N6972A Advanced Power System - DC Power Supply, 40 V, 50 A, 2000 W

Sold By: Authorized Sales Partners - [Check availability](#) [View Data Sheet](#) ▾ [Visit Discussion Forums](#) [Explore YouTube Videos](#) [Visit Technical Support](#)

Overview & Features

[Options & Accessories](#)[Licensed Software](#)[Document Library](#)

Key Features & Specifications

Tune the N6900 to meet your specific test challenges with four performance options

Accuracy Package (Option 301)

- Improves the programming and measurement accuracy; and adds a second seamless measurement range for current

Measurement Enhancements (Option 302)

- Adds external data logging
- Adds voltage and current digitizers with programmable sample rates

Source & Speed Enhancements (Option 303)

- Adds constant-dwell arbitrary waveforms
- Adds output list capability
- Provides 6x improvement in up/down programming time

Relays (Options 760 & 761)

- Adds disconnect and polarity-reversal relays

Accelerate test throughput with industry-leading specifications

- Test speeds 100x faster than standard system power supplies
- Command processing speed < 2ms
- Fast up/down programming speeds up to 3ms

Accurately characterize your DUT's power profile with advanced measurement capability

- Dual voltage and current measurement capability with DMM-like accuracy
- Power, peak power, watt hour, and amp hour measurements

Add power flexibility to your test system

- Increase power dissipation from 10% to full two-quadrant operation with N7909A power dissipater
- Parallel N6900 supplies up to 10kW with equal current sharing among paralleled supplies
- Track power events with optional N7908A black-box recorder
- Add advanced display, setup and measurement functions by downloading Keysight's free application: [APS Power Assistant Software](#)

Description

Optimize testing with the N6900, versatility was never faster

When designing high performance ATE systems, there's an art to the tradeoffs you make when asked to "integrate fast and test faster within budget." That's why Keysight's N6900 Series DC power supplies are small, flexible and market-leading fast. And with our VersaPower architecture, you can tune the N6900 for the optimum balance of test coverage, quality and time.

Turn any APS power supply into not only a source but a load as well, which is great for power storage applications. Add full, 2-quadrant operation to any APS power supply with the N7909A APS power dissipater unit.

If you have ATE applications where a full-featured, high-speed dynamic sourcing and measurement is needed, consider the APS N7900 Series power supplies.

BenchVue software enabled: Do more with your PC and instrument together, no programming required. Easily control your power supplies to set parameters and quickly build automated tests on your PC.

Product Support Center

- [Technical Support](#)
manuals, drivers, application notes, firmware, software, ...
- [Parts](#)
- [Repair & Calibration Services](#)

What's New

- [Online prices & quotes for BenchVue apps are showing incorrect prices.](#) [View the right BenchVue prices](#)



myKeysight

[My Products](#)

[My Watchlist](#)

[My Download History](#)

[My News](#)

Buy

[How to Buy or Rent](#)

[Request a Quote](#)

[Find a Partner](#)

[See Special Offers](#)

[Check Order Status](#)

[View Trade-In Offers](#)

[Browse Used Equipment](#)

[Why Buy Keysight](#)

Support Tasks

[Manage Software Licenses](#)

[Find a Manual](#)

[Update Firmware/Software](#)

[Browse Application Notes](#)

[Request Repair or Calibration](#)

[Check Warranty Status](#)

[Ask the Community](#)

[Find a Part](#)

Legal

[Privacy](#)

[Terms](#)

[Trademark Acknowledgements](#)

© Keysight Technologies 2000-2018

[Feedback](#)

[Contact Keysight](#)

