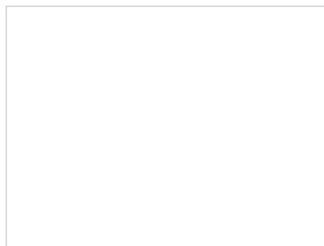




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## N7950A Advanced Power System - Dynamic DC Power Supply, 9 V, 100 A, 1000 W

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### Overview & Features

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### Key Features & Specifications

#### 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 500  $\mu$ s
- Adjustable measurement rate to balance speed and accuracy

#### 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

#### Full two-quadrant operation for power storage test applications

- Provides continuous smooth operation between +current and - current transitions
- Provides + and - programmable current limits, programmable + and - current waveforms, and automatic downprogramming
- Full two-quadrant operation requires N7909A power dissipater units, standalone power supply offers 10% rated current two-quadrant operation

#### Track power events with a black-box recorder

- Optional accessory N7908A black-box recorder
- Works in the background tracking power events whenever the APS supply is on
- Records measurement data, trigger events, status bits, and more

#### Add power flexibility to your test system with built-in APS paralleling up to 10 kW

- Ensures equal current sharing among paralleled supplies
- Implemented with three wire connection on power supply rear panel
- Ensures each paralleled supply operates in its intended mode, whether that is CV or CC

Add advanced display, setup and measurement functions by downloading Keysight's free application: [APS Power Assistant Software](#)

For even more control, try the [14585A Control and Analysis Software for Advanced Power Supplies](#) free for 30-days

**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.

### Description

The N7900 Series dynamic DC power supplies are designed for automated test equipment (ATE) applications where high-speed dynamic sourcing and measurement is needed.

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.



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