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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6269A DC Power Supply

Agilent 6269A High Current DC Power Supply 0 to 40 V 0 to 50 A The HP/Agilent 6269A isahigh-current CV/CC DC power supply in the 6259B–6269B family. OEM family documentation rates 0 to 40 V and 0 to 50 A. Burn-in, magnet supplies, and high-current DC rails needing crowbar-protected CV/CC control. High current CV/CC with automatic crossover The HP/Agilent 6269A isahigh-current CV/CC DC power supply in the 6259B–6269B family. OEM family documentation rates 0 to 40 V and 0 to 50 A. Burn-in, magnet supplies, and high-current DC rails needing crowbar-protected CV/CC control. High current CV/CC with automatic crossover Auto series and auto parallel system modes

MODEL **Agilent / Keysight 6269A**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **6269A**	LISTING **https://aumictechlabs.com/products/6269a-2/**

NIST-traceable cal · SAM registered · 30-day returns · NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6269A is a continuously variable DC power supply delivering 0–40 V and 0–50 A across approximately 2 kW of output power. It operates in constant voltage (CV) and constant current (CC) modes with automatic crossover, providing exceptional regulation and transient response for precision test, measurement, and R&D applications.Technical Specifications Output Ratings Voltage: 0–40 V DC Current: 0–50 A DC Power: Approximately 2 kW Regulation Performance CV line regulation: <0.01% + 200 µV CC line regulation: <0.02% + 2 mA CV load regulation: 0.01% + 200 µV CC load regulation: 0.02% + 2 mA Ripple and Noise CV output: 1 mV rms, 5 mV peak-to-peak CC output: 25 mA rms StabilityOver 8 hours post warm-up,

CV drift remains <0.03% + 2 mV; CC drift <0.03% + 10 mA. Transient ResponseLoad transient recovery time is <150 µs to within 20 mV of nominal voltage following half-load current change. Internal Impedance (CV Mode) DC to 100 Hz: <0.001 Ω 100 Hz to 1 kHz: <0.01 Ω 1 kHz to 100 kHz: <0.2 Ω 100 kHz to 1 MHz: <2 Ω Temperature Characteristics Operating range: 0–55°C Storage range: −40–75°C Voltage temperature coefficient: <0.01% + 200 µV/°C Current temperature coefficient: <0.01% + 4 mA/°CKey Features Continuously adjustable voltage and current with vernier controls for precise tuning Front panel meters for real-time voltage and current monitoring All-electronic constant current overload protection; direct short-circuit capable Built-in overvoltage protection Remote sensing for load lead voltage drop compensation Analog programmable via external resistance or DC voltage source Auto-series, auto-parallel, and auto-tracking operation for multi-unit configurations Rear panel terminals for output, remote sensing, and programming connections Optional HP-IB and RS-232 interfacesTypical Applications DC power supply for component testing, device characterization, power conversion validation, and laboratory research where stable, low-noise power with fast transient response is required.Compatibility & Integration Multi-unit operation via auto-series, auto-parallel, and auto-tracking modes. External analog programming and remote sensing enable integration into automated test systems and benchtop configurations.

6269A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	High current CV/CC DC power supply
Series Family	HP 6259B 6260B 6261B 6268B 6269B
Output Voltage Rating	0 to 40 V
Output Current Rating	0 to 50 A
Load Regulation Voltage	0.01 percent plus 200 uV
Load Regulation Current	0.02 percent plus 2 mA class
Line Regulation Voltage	0.01 percent plus 200 uV
Line Regulation Current	0.02 percent plus 2 mA class
Ripple Noise Voltage RMS	500 uV to 1 mV by model class
Ripple Noise Voltage Peak Peak	5 mV
Ripple Noise Current RMS	25 mA class on 6269B
Transient Recovery	less than 50 us to within 10 mV class
Temperature Operating	0 to 55 C
Temperature Storage	minus 40 to plus 75 C
DC Floating Voltage	up to 300 V above ground
AC Input Standard	230 Vac plus or minus 10 percent, 57 to 63 Hz
AC Input Alternates	208 Vac and 115 Vac options by model
Input Power Full Load	18 A, 2500 W at 230 Vac full load class
Remote Programming	resistance or voltage
Remote Sensing	yes
Crowbar	adjustable front panel overvoltage SCR crowbar
Metering	front panel voltmeter and ammeter
Cooling	forced air fans on high power frames NotesArevision of 6269B family; OEM 6269B manual rates 0 to 40 V at 0 to 50 A. ConfirmAvsBfaceplate.

6269A Specifications

PARAMETER	VALUE
Applications	Burn-in, magnet supplies, and high-current DC rails needing crowbar-protected CV/CC control.
Key Features	High current CV/CC with automatic crossover
Front panel overvoltage crowbar adjust	Remote programming and remote sensing
Auto series and auto parallel system modes	Rear high-current output terminals
Technical Specifications	Instrument Type: High current CV/CC DC power supply
Notes	A revision of 6269B family; OEM 6269B manual rates 0 to 40 V at 0 to 50 A. Confirm A vs B faceplate.

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

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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

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