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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6259B DC Power Supply

Agilent 6259B High Current DC Power Supply 0 to 10 V 0 to 50 A The HP/Agilent 6259B is a high-current CV/CC DC power supply in the 6259B-6269B family. OEM family documentation rates 0 to 10 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 6259B is a high-current CV/CC DC power supply in the 6259B-6269B family. OEM family documentation rates 0 to 10 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
6259B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6259B

LISTING

<https://aumictechlabs.com/products/6259b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 6259B is a programmable DC power supply delivering 0–10 V at 0–50 A with 850 W output capacity. Built for precision voltage and current control, it operates in constant voltage/constant current (CV/CC) mode with automatic crossover, making it suitable for research, development, and manufacturing environments requiring stable, adjustable DC power. Technical Specifications Output: 0–10 V DC, 0–50 A DC Output Power: 850 W Line Regulation: 0.01% + 200 μ V Load Regulation: 0.01% + 200 μ V Metered Regulation: 0.01% Temperature Coefficient: 0.01% of output + 200 μ V per $^{\circ}$ C Ripple and Noise (20 Hz to 20 MHz): CV mode: 1 mV rms, 5 mV peak-to-peak CC mode: 25 mA rms Load Effect Transient Recovery: $\leq$ 50 μ s to 10 mV Operating

Temperature: 0 to 55°C Storage Temperature: -40 to 75°C Dimensions: 19 in × 6.81 in × 18.88 in (483 mm W × 173 mm H × 479.4 mm D) Weight: 89 lbs (40.3 kg)Key Features Remote sensing and programming via external resistance or DC voltage Overvoltage protection (OVP) with front-panel crowbar trip adjustment Auto-series, auto-parallel, and auto-tracking operation Three-terminal barrier strip AC input connections Full rack width form factor AC input options: 50 Hz (Option 005), 115 VAC single phase (Option 026), 208 VAC single phase (Option 027), 230 VAC single phase (Option 028) Voltage and current programming adjustment available (Option 022)Typical Applications Designed for laboratory testing, device characterization, burn-in procedures, and component validation where precise, stable DC power delivery and remote programmability are essential.Compatibility & Integration This is a discontinued product. Operating and service documentation for the 6259B is available in the combined manual for 6250/60 series models (6259B/6260B/6261B/6268B/6269B).

6259B 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 10 V
Output Current Rating	0 to 50 A
Load Regulation Voltage	0.01 percent plus 200 μ V
Load Regulation Current	0.02 percent plus 2 mA class
Line Regulation Voltage	0.01 percent plus 200 μ V
Line Regulation Current	0.02 percent plus 2 mA class
Ripple Noise Voltage RMS	500 μ V 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 μ s 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	6 A, 850 W at 230 Vac full load
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

6259B 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

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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Notes	
From HP 6259B/6260B/6261B/6268B/6269B family manual: 10 V class (crowbar 2 to 12 V); current programming 10 mV/A implying 50 A full scale; input 850 W.	

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.