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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6268B DC Power Supply

Agilent 6268B High Current DC Power Supply 0 to 40 V 0 to 30 A The HP/Agilent 6268B isahigh-current CV/CC DC power supply in the 6259B–6269B family. OEM family documentation rates 0 to 40 V and 0 to 30 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 6268B isahigh-current CV/CC DC power supply in the 6259B–6269B family. OEM family documentation rates 0 to 40 V and 0 to 30 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 6268B**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **6268B**	LISTING **https://aumictechlabs.com/products/6268b-2/**

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

This unit

The Agilent/Keysight 6268B is a precision DC power supply engineered for laboratory and production environments requiring stable, programmable power delivery. It supplies 0–40 V DC and 0–30 A DC with approximately 1.2 kW output capacity, supporting both constant voltage and constant current modes. Analog programmable control via external resistance or DC voltage enables remote operation, while remote sensing ensures accurate regulation at the load terminals.The instrument delivers load regulation of 0.01% + 200 µV in CV mode and 0.02% + 2 mA in CC mode, with transient recovery under 50 µs. Output ripple and noise remain below 1 mV rms in CV operation and 20 mA rms in CC mode across the 20 Hz to 20 MHz bandwidth.Technical

Specifications Output Ratings Voltage: 0–40 V DC Current: 0–30 A DC Power: Approximately 1.2 kW Operating temperature: 0–55 °C Regulation & Stability CV load regulation: 0.01% + 200 µV CC load regulation: 0.02% + 2 mA CV line regulation: 0.01% + 200 µV CC line regulation: 0.02% + 2 mA CV ripple and noise (20 Hz–20 MHz): 1 mV rms, 5 mV peak-to-peak CC ripple and noise (20 Hz–20 MHz): 20 mA rms Load transient recovery: <50 µs to within 10 mV CV temperature coefficient: 0.01% + 200 µV per °C CC temperature coefficient: <0.01% + 2 mA per °C CV 8-hour drift: <0.03% of output + 2 mV CC 8-hour drift: <0.03% of output + 2 mV Control Resolution Voltage control: <0.02% Current control: <0.15%Key Features Adjustable over-voltage protection Remote sensing via rear panel terminals Analog programming by external resistance or DC voltage Auto-series, auto-parallel, and auto-tracking operation Buss bar output terminals with remote sense and programming connections Forced-air cooling for thermal managementPhysical & Environmental Dimensions: 483 mm W × 173 mm H × 479.4 mm D Weight: 34.4 kg Storage temperature: −40–75 °CCompatibility & Integration Optional configurations include ten-turn controls for voltage and/or current adjustment, 50 Hz operation realignment, voltage and current programming adjust, and rack-mount chassis slides. AC input terminal blocks are provided on the rear panel.

6268B 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 30 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	11 A, 1600 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

6268B 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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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	11 A, 1600 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

Notes
From same family manual: 40 V class (crowbar to 45 V); current programming 16.7 mV/A implying 30 A; input 1600 W. Matches HP Memory Project listing.

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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