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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 6274B DC Power Supply

Agilent 6274B Regulated DC Power Supply 0 to 60 V 0 to 15 A The HP/Agilent 6274B is a constant-voltage/constant-current rack/bench DC power supply. OEM operating manual Table 1-1 rates 0 to 60 V at 0 to 15 A. System racks and benches needing medium-power regulated DC with crowbar protection. Series regulator with triac preregulator for efficiency. The HP/Agilent 6274B is a constant-voltage/constant-current rack/bench DC power supply. OEM operating manual Table 1-1 rates 0 to 60 V at 0 to 15 A. System racks and benches needing medium-power regulated DC with crowbar protection. Series regulator with triac preregulator for efficiency. Built-in fast overvoltage crowbar with adjustable trip.



MODEL

**Agilent / Keysight
6274B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

6274B

LISTING

<https://aumictechlabs.com/products/6274b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 6274B is a 900 W linear DC power supply engineered for precision testing and measurement across laboratory, R&D, and industrial environments. It delivers stable voltage and current outputs with constant voltage/constant current (CV/CC) operation, automatically transitioning between modes to maintain consistent power delivery under varying loads. The instrument combines low-noise performance with comprehensive protection and remote sensing capability, making it suitable for sensitive electronic applications requiring minimal interference. Technical Specifications Output Ratings: Voltage: 0 to 60 V Current: 0 to 15 A Power: 900 W Regulation Performance: CV Line Regulation: <0.01% of output + 200 μ V CV Load

Regulation: $<0.01\%$ of output + 200 μV CC Line Regulation: $<0.02\%$ of output + 500 mA CC Load Regulation: $<0.02\%$ of output + 500 mA Noise and Ripple: CV Mode: $<200 \mu\text{V rms}$, 20 mV peak-to-peak CC Mode: 5 mA rms Transient Response: Load transient recovery: $<50 \mu\text{s}$ Operating Environment: Temperature: 0 to 55 $^{\circ}\text{C}$ Storage: -40 to 75 $^{\circ}\text{C}$ Input Power: Standard: 115 Vac $\pm 10\%$, 57–63 Hz, single phase Alternative configurations: 208 Vac $\pm 10\%$ (Option 027), 230 Vac (Option 028), 57–63 Hz

Key Features Automatic CV/CC mode switching based on load conditions Overvoltage and overload/short-circuit protection Remote sensing for accurate load-end voltage compensation Auto-series, auto-parallel, and auto-tracking operation for multi-supply configurations Analog programmable voltage and current control Front-panel analog meters for real-time voltage and current monitoring Linear topology for low-noise, interference-free operation

Typical Applications Precision component testing, device characterization, power integrity validation, and circuit development requiring stable, low-noise DC power delivery.

Compatibility & Integration Supports analog control interfaces and multi-unit configuration modes for flexible laboratory and production test setups.

Features & description

From manufacturer datasheet

Built-in fast overvoltage crowbar with adjustable trip

Remote resistance or voltage programming Remote sensing to the load Auto series, auto parallel, and auto tracking modes Technical Specifications Instrument Type: CV/CC regulated DC power supply Series Family: HP 6256B 6263B 6264B 6265B 6266B 6267B 6271B 6274B Output Voltage Rating: 0 to 60 V Output Current Rating: 0 to 15 A Operating Modes: constant voltage and constant current with automatic crossover Load Regulation Voltage: 0.01 percent plus 200 μ V class Load Regulation Current: 0.02 percent plus milliamp class Line Regulation Voltage: 0.01 percent plus 200 μ V class Line Regulation Current: 0.02 percent plus milliamp class Ripple Noise Voltage RMS: 200 μ V to 1 mV class by model Ripple Noise Voltage Peak Peak: 10 mV to 20 mV class Ripple Noise Current RMS: less than 5 mA on higher current models class Transient Recovery: less than 50 μ s class to within 10 mV Crowbar Range: approximately 10 percent to 110 percent of rated voltage DC Floating Voltage: up to 300 V above ground Front Output Terminal Rating: monitoring only, 3 A maximum AC Input: 115 Vac plus or minus 10 percent, 57 to 63 Hz standard Cabinet Height: 5.25 in full rack forced air Cooling: convection except forced air on 6274B

6274B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	CV/CC regulated DC power supply
Series Family	HP 6256B 6263B 6264B 6265B 6266B 6267B 6271B 6274B
Output Voltage Rating	0 to 60 V
Output Current Rating	0 to 15 A
Operating Modes	constant voltage and constant current with automatic crossover
Load Regulation Voltage	0.01 percent plus 200 uV class
Load Regulation Current	0.02 percent plus milliamp class
Line Regulation Voltage	0.01 percent plus 200 uV class
Line Regulation Current	0.02 percent plus milliamp class
Ripple Noise Voltage RMS	200 uV to 1 mV class by model
Ripple Noise Voltage Peak Peak	10 mV to 20 mV class
Ripple Noise Current RMS	less than 5 mA on higher current models class
Transient Recovery	less than 50 us class to within 10 mV
Crowbar Range	approximately 10 percent to 110 percent of rated voltage
DC Floating Voltage	up to 300 V above ground
Front Output Terminal Rating	monitoring only, 3 A maximum
AC Input	115 Vac plus or minus 10 percent, 57 to 63 Hz standard
Cabinet Height	5.25 in full rack forced air
Cooling	convection except forced air on 6274B
Remote Programming	resistance or voltage
Remote Sensing	yes
Auto Parallel	two or three similar supplies
Auto Series	two or three supplies
Metering	front panel voltmeter and ammeter

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 class
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Ripple Noise Voltage RMS	200 uV to 1 mV class by model
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Notes

From HP Operating and Service Manual Models 6256B, 6263B, 6264B, 6265B, 6266B, 6267B, 6271B, and 6274B Table 1-1 OUTPUT row for this model only.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.