

**Aumictech**

Test &amp; measurement · bought, sold, repaired, calibrated

**Data Sheet**

August 14, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight 6256B DC Power Supply

Agilent 6256B Regulated DC Power Supply 0 to 10 V 0 to 20 A The HP/Agilent 6256B is a constant-voltage/constant-current rack/bench DC power supply. OEM operating manual Table 1-1 rates 0 to 10 V at 0 to 20 A. System racks and benches needing medium-power regulated DC with crowbar protection. Series regulator with triac preregulator for efficiency. The HP/Agilent 6256B is a constant-voltage/constant-current rack/bench DC power supply. OEM operating manual Table 1-1 rates 0 to 10 V at 0 to 20 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  
6256B**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**6256B**

LISTING

<https://aumictechlabs.com/products/6256b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Agilent/Keysight 6256B is a 200 W DC power supply engineered for laboratory, industrial, and development applications requiring stable, regulated power. It delivers 0–10 V at 0–20 A with dual analog metering, coarse and fine voltage and current controls, and automatic CV/CC mode selection. The unit maintains 0.01% line, load, and metered regulation, making it suitable for device testing, circuit characterization, and precision measurement work. Technical Specifications Output: 200 W Voltage Range: 0–10 V Current Range: 0–20 A Line and Load Regulation: 0.01% Metered Regulation: 0.01% Input Power: 115 VAC (±10%), 57–63 Hz single phase; optional 50 Hz, 208 VAC, or 230 VAC configurations Form Factor: Rack-mounted Weight: 35 lbs Key Features

Coarse and fine controls for independent voltage and current adjustment Constant Voltage (CV) and Constant Current (CC) modes with automatic switchover Auto-series, -parallel, and -tracking operation for multi-unit configurations Operator-adjustable crowbar overvoltage protection with trip point adjustment and visual indicator Dual analog front-panel meters for simultaneous voltage and current observation Remote error sensing for load-end voltage regulation Remote programming capability via rear-panel barrier strip connections Current monitor output providing proportional DC voltage for external measurement Typical Applications Component and subsystem characterization Research and development testing Industrial equipment commissioning and validation Precision power delivery for sensitive circuits Compatibility & Integration The 6256B interfaces via rear-panel barrier strips for remote sensing, external programming, and series/parallel/tracking operation. Support for multiprogrammer operation is available with Agilent 6940B or 6941B systems. Optional ten-turn controls for voltage and current (Options 007 and 008) enhance fine-tuning capability.

## 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 10 V Output Current Rating: 0 to 20 A Operating Modes: constant voltage and constant current with automatic crossover Load Regulation Voltage: 0.01 percent plus 200  $\mu$ V class Load Regulation Current: 0.02 percent plus milliamp class Line Regulation Voltage: 0.01 percent plus 200  $\mu$ V class Line Regulation Current: 0.02 percent plus milliamp class Ripple Noise Voltage RMS: 200  $\mu$ 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  $\mu$ 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 Cooling: convection except forced air on 6274B Remote Programming: resistance or voltage

## 6256B 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 10 V                                                      |
| Output Current Rating          | 0 to 20 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                                              |
| 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                 |                                                                |
|--------------------------------|----------------------------------------------------------------|
| 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 10 V                                                      |
| Output Current Rating          | 0 to 20 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                                              |
| 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                              |

#### 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](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

788 S 500 E, Pleasant Grove, UT 84062  
[sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341  
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·  
30-day returns  
NAICS 423690 · 811210 · 541380  
Generated August 14, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.