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Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEITHLEY

Keithley 2260B-80-40 " Programmable DC Power Supply, 80V, 40.5A, 1080W

Key Features - Constant-power multi-range envelope rather than a single V/I rectangle - Independent programmable rise and fall slew for voltage or current - CC priority mode to limit overshoot on LED and low-impedance loads - Analog voltage or resistance control plus status monitoring on a rear 26-pin connector - Master-slave series and parallel stacking with dedicated interconnect cables - Internal sequenced voltage levels with programmable on/off delays

Technical Specifications Model: 2260B-80-40 Manufacturer: Keithley / Tektronix Instrument Type: Multi range programmable DC power supply Alias: 2260B8040; 2260B-80-40 Output voltage: 0 to 80 V Output current: 0 to 40.5 A Maximum power: 1080 W Programming accuracy voltage: 0.1% of setting + 10 mV (23 C ±5 C) Programming accuracy current: 0.



MODEL

Keithley 2260B-80-40

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

2260B-80-40

LISTING

<https://aumictechlabs.com/products/2260b-80-40-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keithley 2260B-80-40 is a 1080 W programmable DC power supply engineered for research, development, quality control, and production testing environments. It delivers 80 V at 40.5 A with independently programmable voltage and current outputs, slew rate control, and integrated

protection circuitry. The unit accepts 85–265 VAC single-phase input and interfaces via USB, LAN, and optional GPIB connectivity for automated test sequences and remote operation.

Technical Specifications

- Output Power: 1080 W (rated); ~105% maximum
- Output Voltage: 0–80 V, slew rate 0.1–160 V/s
- Output Current: 0–40.5 A, slew rate 0.01–81.00 A/s (rising and falling)
- Voltage Accuracy: $\pm 0.5\%$ of rated output voltage
- Current Accuracy: $\pm 1\%$ of rated output current
- Temperature Coefficient: 200 ppm/°C after 30 min warm-up
- Input: 85–265 VAC, 50/60 Hz, single phase; power factor 0.97–0.99 typical
- Hold-up Time: ≥ 20 ms
- Dimensions: 71 mm W $\times$ 124 mm H $\times$ 350 mm D (approximately 3 kg)

Key Features

- Overvoltage, overcurrent, and overtemperature protection with automatic output shutdown
- Low AC input protection (AC-FAIL) turns output off
- Programmable voltage and current rise/fall times to prevent inrush damage to low-impedance loads
- Constant current priority mode minimizes overshoot when powering LEDs
- Programmable output resistance simulates battery characteristics
- Internal test sequence mode generates custom voltage waveforms
- Analog control input (26-pin rear connector) for voltage/current regulation and status monitoring
- Front-panel USB Type-A host and rear-panel USB Type-B control
- Remote sensing terminals reduce lead-loss effects in long-cable installations

Typical Applications

- LED driver and power supply testing
- Battery simulation and emulation
- Device characterization and stress testing
- Automated production line verification
- Research and prototype validation

Compatibility & Integration

USB and LAN interfaces enable direct instrument control and data logging. Optional GPIB adapter (2260B-GPIB-USB) extends legacy test system compatibility. Analog input allows integration into existing analog control architectures without external interfaces.

Features & description

From manufacturer datasheet

Features

- Constant-power multi-range envelope rather than a single V/I rectangle

2260B80 Characteristics / Specifications

PARAMETER	VALUE
Model	2260B-80-40
Manufacturer	Keithley / Tektronix
Instrument Type	Multi range programmable DC power supply
Alias	2260B8040; 2260B-80-40
Output voltage	0 to 80 V
Output current	0 to 40.5 A
Maximum power	1080 W
Programming accuracy voltage	0.1% of setting + 10 mV (23 C $\pm$ 5 C)
Programming accuracy current	0.1% of setting + 40 mA (23 C $\pm$ 5 C)
Readback accuracy voltage	0.1% of setting + 10 mV
Readback accuracy current	0.1% of setting + 40 mA
Ripple noise CV peak to peak	100 mV (20 MHz noise bandwidth)
Ripple noise CV rms	14 mV (1 MHz ripple bandwidth)
Ripple noise CC rms	81 mA
Voltage slew range	0.1 V/s to 160 V/s rising and falling
Current slew range	0.01 A/s to 81.00 A/s rising and falling
Internal resistance range	0.000 ohm to 1.975 ohm
Programming resolution voltage	2 mV (PC remote)
Programming resolution current	3 mA (PC remote)
Front display accuracy voltage	0.1% $\pm$ 20 mV
Front display accuracy current	0.1% $\pm$ 50 mA
Rise time	50 ms
Fall time full load	50 ms
Load transient recovery	1 ms (50% to 100% load)
Remote sense drop	0.6 V maximum per load wire (30 V and 80 V models)

PARAMETER	VALUE
Output delay range	0 s to 99.99 s on and off
AC input	85 VAC to 265 VAC, 50/60 Hz single phase
Maximum power consumption	1500 VA
Interfaces	USB 1.1/2.0 host and device; 100BASE-T LAN; analog; optional GPIB adapter
Form	214 mm wide 1080 W chassis; two units per standard rack width Notes Specs from Keithley Series 2260B programmable DC power supplies data sheet (23 C $\pm$ 5 C). Confirm faceplate 2260B-80-40 versus 2260B-80-13 (360 W) or 2260B-80-27 (720 W).

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Model	2260B-80-40
Manufacturer	Keithley / Tektronix
Instrument Type	Multi range programmable DC power supply
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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.

environmental and accelerated life test; production ATE via USB, LAN, analog, or optional GPIB.

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Technical Specifications

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Instrument Type	Multi range programmable DC power supply

Specifications

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Specifications

PARAMETER	VALUE
Maximum power	1080 W
Programming accuracy voltage	0.1% of setting + 10 mV (23 C ±5 C)
Programming accuracy current	0.1% of setting + 40 mA (23 C ±5 C)

Specifications

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Readback accuracy voltage	0.1% of setting + 10 mV
Readback accuracy current	0.1% of setting + 40 mA
Ripple noise CV peak to peak	100 mV (20 MHz noise bandwidth)

Specifications

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Ripple noise CV rms	14 mV (1 MHz ripple bandwidth)
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Front display accuracy voltage	0.1% ± 20 mV
Front display accuracy current	0.1% ± 50 mA

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PARAMETER	VALUE
Maximum power consumption	1500 VA
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Form	214 mm wide 1080 W chassis; two units per standard rack width

Notes

Specs from Keithley Series 2260B programmable DC power supplies data sheet (23 C $\pm$ 5 C). Confirm faceplate 2260B-80-40 versus 2260B-80-13 (360 W) or 2260B-80-27 (720 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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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.