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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3631A 80W Triple Output Power Supply

HP Agilent E3631A Triple Output DC Power Supply The Agilent/Keysight E3631A is an 80 W programmable triple-output linear DC power supply with isolated 0 to +6 V/5 A and tracking 0 to +/-25 V/1 A outputs. OEM E363xA datasheets specify 0.01% load/line regulation, GPIB and RS-232 as standard, and 12-month programming/readback accuracies at 25 C +/-5 C. R&D bench bias for mixed analog/digital boards, QA verification needing three rails, and automated SCPI power sequencing over GPIB or RS-232. Three independent outputs with +/-25 V tracking The Agilent/Keysight E3631A is an 80 W programmable triple-output linear DC power supply with isolated 0 to +6 V/5 A and tracking 0 to +/-25 V/1 A outputs. OEM E363xA datasheets specify 0.01% load/line regulation, GPIB and RS-232 as standard, and 12-month programming/readback accuracies at 25 C +/-5 C. R&D bench bias for mixed analog/digital boards, QA verification needing three rails, and automated SCPI power sequencing over GPIB or RS-232. Three independent outputs with +/-25 V tracking Isolated 6 V rail to reduce circuit interference



MODEL

**Agilent / Keysight
E3631A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E3631A

LISTING

<https://aumictechlabs.com/products/e3631a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E3631A is an 80W triple-output DC power supply engineered for benchtop and system integration applications requiring independent, simultaneous power delivery to multiple circuits. Three isolated outputs - 0 to 6 V at 0 to 5 A, 0 to +25 V at 0 to 1 A, and 0 to -25 V at 0 to 1 A - deliver precision-regulated power with low ripple and noise. The 0-6 V supply maintains isolation from the ± 25 V supply up to ± 240 Vdc, enabling flexible circuit configurations.

Technical Specifications

Output Ratings: Output 1: 0 to 6 V, 0 to 5 A Output 2: 0 to +25 V, 0 to 1 A Output 3: 0 to -25 V, 0 to 1 A Total Power: 80 W

Ripple & Noise (20 Hz to 20 MHz): Voltage: $<350 \mu\text{Vrms}$ / 2 mV p-p Current: $<500 \mu\text{A rms}$ (6 V and +25 V outputs); $<2 \text{ mA rms}$ (-25 V output)

Load & Line Regulation: Voltage: $<0.01\% + 2 \text{ mV}$ Current: $<0.01\% + 250 \mu\text{A}$

Programming Accuracy (25°C $\pm 5^\circ\text{C}$): Voltage: 0.05% + 20 mV (± 6 V and +25 V); 0.1% + 5 mV (-25 V) Current: 0.15% + 4 mA (± 6 V and +25 V); 0.2% + 10 mA (-25 V)

Stability (8-hour): Voltage: 0.03% + 1 mV (6 V); 0.02% + 2 mV (± 25 V outputs)

Transient Response: $<50 \mu\text{sec}$ recovery within 15 mV following $\pm 50\%$ load step

Temperature Coefficient: 0.01% + 2 mV (6 V); 0.01% + 3 mV (± 25 V)

Tracking Accuracy (± 25 V outputs): $\pm(0.2\% + 20 \text{ mV})$

Isolation: Maximum ± 240 Vdc from any terminal to chassis ground

Key Features

- Independent control of three output channels with simultaneous delivery
- Fast transient response and tight load/line regulation
- SCPI-compatible programming via GPIB (IEEE-488) and RS-232
- Front-panel knob and keypads for manual voltage and current adjustment
- Three-setup memory with store/recall capability
- Low output noise: $<350 \mu\text{Vrms}$ voltage ripple

Typical Applications

Circuit characterization, device testing, and multiline system power delivery requiring independent voltage and current control across isolated rails.

Compatibility & Integration

Standard GPIB and RS-232 interfaces with SCPI command set enable straightforward integration into automated test systems and benchtop measurement setups.

E3631A Characteristics / Specifications

PARAMETER	VALUE
Output 1 Rating	0 to +6 V, 0 to 5 A
Output 2 Rating	0 to +25 V, 0 to 1 A
Output 3 Rating	0 to -25 V, 0 to 1 A
Total Power	80 W
Load Regulation Voltage	less than 0.01% + 2 mV
Load Regulation Current	less than 0.01% + 250 uA
Line Regulation Voltage	less than 0.01% + 2 mV
Line Regulation Current	less than 0.01% + 250 uA
Ripple Noise Voltage Output	less than 350 uVrms / 2 mVpp
Ripple Noise Current Output	less than 2 mArms
Programming Voltage Accuracy Output	0.1% + 5 mV
Programming Current Accuracy Output	0.2% + 10 mA
Programming Voltage Accuracy Outputs 2	0.05% + 20 mV
Programming Current Accuracy Outputs 2	0.15% + 4 mA
Readback Voltage Accuracy Output	0.1% + 5 mV
Readback Current Accuracy Output	0.2% + 10 mA
Transient Response	less than 50 us to within 15 mV half to full load
Common Mode Current	less than 1.5 uArms
Program Resolution Output	0.5 mV / 0.5 mA
Program Resolution Outputs 2	1.5 mV / 0.1 mA
Command Processing Time	less than 50 ms
Dimensions	213 mmWx 133 mmHx 348 mmDNet Weight: 8.2 kg (18 lb)
AC Input	100/115/230 Vac +/-10%, 47 to 63 Hz

E3631A Specifications

PARAMETER	VALUE
HP Agilent E3631A Triple Output DC Power Supply	Overview
Key Features	Three independent outputs with +/-25 V tracking
Isolated 6 V rail to reduce circuit interference	GPIB and RS-232 with SCPI programming standard
Technical Specifications	Output 1 Rating: 0 to +6 V, 0 to 5 A

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
Output 1 Rating	0 to +6 V, 0 to 5 A
Output 2 Rating	0 to +25 V, 0 to 1 A
Output 3 Rating	0 to -25 V, 0 to 1 A
Total Power	80 W
Load Regulation Voltage	less than 0.01% + 2 mV
Load Regulation Current	less than 0.01% + 250 uA
Line Regulation Voltage	less than 0.01% + 2 mV
Line Regulation Current	less than 0.01% + 250 uA
Ripple Noise Voltage Output 1	less than 350 uVrms / 2 mVpp
Ripple Noise Current Output 1	less than 2 mA rms
Programming Voltage Accuracy Output 1	0.1% + 5 mV
Programming Current Accuracy Output 1	0.2% + 10 mA
Programming Voltage Accuracy Outputs 2 3	0.05% + 20 mV
Programming Current Accuracy Outputs 2 3	0.15% + 4 mA
Readback Voltage Accuracy Output 1	0.1% + 5 mV
Readback Current Accuracy Output 1	0.2% + 10 mA
Transient Response	less than 50 us to within 15 mV half to full load
Common Mode Current	less than 1.5 uA rms
Program Resolution Output 1	0.5 mV / 0.5 mA
Program Resolution Outputs 2 3	1.5 mV / 0.1 mA
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Dimensions	213 mmWx 133 mmHx 348 mmDNet Weight: 8.2 kg (18 lb)
AC Input	100/115/230 Vac +/-10%, 47 to 63 Hz
Notes	
From Keysight E363xA Series Programmable DC Power Supplies data sheet (5968-9726). Accuracies are 12-month values at 25 C +/-5 C after 1-hour warm-up; E3631A has no OVP/OCP or remote sense.	

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

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

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