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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36313A

Agilent Keysight E36313A Triple Output Bench Power Supply 160 W The Keysight E36313A is the 160 W high-current E36300 model with Channel 1 at 0 to 6 V / 10 A and two isolated 25 V / 2 A channels. OEM datasheet lists the same extended feature set as E36312A with doubled current capability. Higher-current board bias, series/parallel boosted rails up to 50 V or 4 A, and LAN-automated multi-rail characterization. Load Regulation Voltage: less than 0.01 percent + 4 mV The Keysight E36313A is the 160 W high-current E36300 model with Channel 1 at 0 to 6 V / 10 A and two isolated 25 V / 2 A channels. OEM datasheet lists the same extended feature set as E36312A with doubled current capability. Higher-current board bias, series/parallel boosted rails up to 50 V or 4 A, and LAN-automated multi-rail characterization. Load Regulation Voltage: less than 0.01 percent + 4 mV Load Regulation Current: less than 0.01 percent + 500 μ A



MODEL

**Agilent / Keysight
E36313A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E36313A

LISTING

<https://aumictechlabs.com/products/e36313a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E36313A is a 160 W triple-output programmable DC power supply engineered for benchtop applications demanding precise, stable power delivery. This unit combines three independent isolated outputs with exceptional regulation and low-noise performance, making it ideal for circuit design validation, component testing, and manufacturing environments. The

E36313A delivers output ripple and noise below 350 μ Vrms / 2 mVpp with line and load regulation of 0.01%, ensuring the clean power conditioning required for sensitive analog and digital circuits. Its intuitive 4.3-inch LCD color display, paired with individual voltage and current control knobs, enables rapid parameter adjustment without navigation delays. Remote control via USB, LAN (LXI Core), or optional GPIB interfaces supports both manual and automated test sequences. Advanced capabilities include LIST mode, output sequencing, tracking mode for channels 2 and 3, and 2-wire or 4-wire remote sensing. Multiple protection layers - over-voltage, over-current, and over-temperature - safeguard against circuit faults and component failures.

Technical Specifications

Output Configuration: Three isolated channels
Channel 1: 0–6 V, 0–10 A
Channels 2 & 3: 0–25 V, 0–2 A each

Output Ripple and Noise: < 350 μ Vrms / 2 mVpp (normal mode)

Line Regulation: 0.01% **Load Regulation:** 0.01%

Voltage Programming Accuracy: $\pm 0.03\%$ + 3 mV or $\pm 0.03\%$ + 5 mV

Transient Response: < 50 μ sec

Input Selection: 115 VAC (± 10 V) or 230 VAC (± 23 V), 50/60 Hz

Acoustic Noise: < 26 dBA (no load), < 50 dBA (full load)

Calibration Interval: 1 year recommended

Expected Life: 40 years

Key Features

- Auto series/parallel connections and output coupling
- Tracking mode linking channels 2 and 3
- Data logging and output sequencing
- Low current measurement capability (< 80 μ A)
- 2-wire or 4-wire remote sense
- Digital I/O port
- Over-voltage, over-current, and over-temperature protection

Typical Applications

- Circuit design and validation
- Component qualification testing
- Electronic manufacturing and burn-in
- Sensitive analog instrumentation powering

Compatibility & Integration

The E36313A operates as code-compatible with the E3631A and supports SCPI commands, IVI drivers, and web browser control for seamless laboratory and production integration.

E36313A Characteristics / Specifications

PARAMETER	VALUE
Model	E36313A
Total Power Output	160 W
Channel 1 Voltage	0 to 6 V
Channel 1 Current	0 to 10 A
Channel 2 Voltage	0 to 25 V
Channel 2 Current	0 to 2 A
Channel 3 Voltage	0 to 25 V
Channel 3 Current	0 to 2 A
Load Regulation Voltage	less than 0.01 percent + 4 mV
Load Regulation Current	less than 0.01 percent + 500 uA
Line Regulation Voltage	less than 0.01 percent + 1 mV
Output Ripple Noise Voltage	less than 350 uVrms / 2 mVpp
Programming Accuracy Voltage CH	0.03 percent + 3 mV
Programming Accuracy Voltage CH2/CH	0.03 percent + 5 mV
Programming Accuracy Current CH	0.05 percent + 4 mA
Programming Accuracy Current CH2/CH	0.04 percent + 3 mA
Low Range Current Readback Accuracy	0.25 percent + 80 uA
Connectivity	USB and LAN standard GPIB optional
LXI Compliance	ClassCAcoustic Noise No Load Typical: less than 26 dBA
Series Family	Keysight E36300

E36313A Specifications

PARAMETER	VALUE
Applications	Higher-current board bias, series/parallel boosted rails up to 50 V or 4 A, and LAN-automated multi-rail characterization.
Key Features	160 W high-current triple output
USB and LAN standard optional GPIB	Auto series/parallel on CH2/CH3
Technical Specifications	Model: E36313A
Notes	From Keysight E36300 Series data sheet columns for E36313A.

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
Model	E36313A
Total Power Output	160 W
Channel 1 Voltage	0 to 6 V
Channel 1 Current	0 to 10 A
Channel 2 Voltage	0 to 25 V
Channel 2 Current	0 to 2 A
Channel 3 Voltage	0 to 25 V
Channel 3 Current	0 to 2 A
Series Mode Voltage CH2+CH3: 50 V Parallel Mode Current CH2+CH3: 4 A	
Specifications	
PARAMETER	VALUE
Load Regulation Voltage	less than 0.01 percent + 4 mV
Load Regulation Current	less than 0.01 percent + 500 uA
Line Regulation Voltage	less than 0.01 percent + 1 mV
Output Ripple Noise Voltage	less than 350 uVrms / 2 mVpp
Programming Accuracy Voltage CH1	0.03 percent + 3 mV
Programming Accuracy Voltage CH2/CH3	0.03 percent + 5 mV
Programming Accuracy Current CH1	0.05 percent + 4 mA
Programming Accuracy Current CH2/CH3	0.04 percent + 3 mA
Low Range Current Readback Accuracy	0.25 percent + 80 uA
Connectivity	USB and LAN standard GPIB optional
LXI Compliance	ClassCAcoustic Noise No Load Typical: less than 26 dBA
Series Family	Keysight E36300

Notes

From Keysight E36300 Series data sheet columns for E36313A.

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