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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36311A

Agilent Keysight E36311A Triple Output Bench Power Supply 80 W The Keysight E36311A is the 80 W economy model in the E36300 Series with Channel 1 at 0 to 6 V / 5 A and tracking Channels 2/3 at 0 to +25 V / 1 A and 0 to -25 V / 1 A. OEM datasheet lists USB-only connectivity, 2-wire sensing, and no data logging/list/series-parallel boost. Benchtop analog/digital board bias, student labs, and simple triple-rail powering where tracking ± 25 V rails and USB control suffice. Load Regulation Voltage: less than 0.01 percent + 2 mV The Keysight E36311A is the 80 W economy model in the E36300 Series with Channel 1 at 0 to 6 V / 5 A and tracking Channels 2/3 at 0 to +25 V / 1 A and 0 to -25 V / 1 A. OEM datasheet lists USB-only connectivity, 2-wire sensing, and no data logging/list/series-parallel boost. Benchtop analog/digital board bias, student labs, and simple triple-rail powering where tracking ± 25 V rails and USB control suffice. Load Regulation Voltage: less than 0.01 percent + 2 mV Load Regulation Current: less than 0.01 percent + 250 μ A



MODEL

**Agilent / Keysight
E36311A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E36311A

LISTING

<https://aumictechlabs.com/products/e36311a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E36311A is an 80 W triple-output programmable DC power supply engineered for benchtop electronic testing and development. It delivers three isolated outputs with independent voltage and current control: a primary 6 V / 5 A channel and dual ± 25 V / 1 A

tracking outputs. The unit combines precise regulation (0.01% line and load), ultra-low noise performance ($<350\ \mu\text{V}_{\text{rms}}$ across all outputs), and real-time monitoring via a 4.3-inch LCD display that shows voltage and current for all three channels simultaneously.

Technical Specifications

Output 1: 0–6 V DC at 0–5 A DC with $0.1\% + 5\ \text{mV}$ programming accuracy and $<350\ \mu\text{V}_{\text{rms}} / 2\ \text{mV}_{\text{p-p}}$ ripple. Outputs 2 & 3: 0–+25 V DC and 0––25 V DC respectively, each at 0–1 A DC with $0.05\% + 20\ \text{mV}$ programming accuracy, $<350\ \mu\text{V}_{\text{rms}} / 2\ \text{mV}_{\text{p-p}}$ ripple, and fixed tracking-only configuration. Line and load regulation hold 0.01% across all channels. Current ripple measures $<2\ \text{mA rms}$ on Output 1 and $<500\ \mu\text{A rms}$ on Outputs 2 & 3 (20 Hz to 20 MHz). Readback accuracy is $0.1\% + 5\ \text{mV}$ (Output 1) and $0.05\% + 10\ \text{mV}$ (Outputs 2 & 3) for voltage; $0.1\% + 10\ \text{mA}$ and $0.1\% + 4\ \text{mA}$ respectively for current.

Key Features

- Three independent, galvanically isolated outputs with color-coded binding posts and control knobs
- Individual voltage and current adjustment with digital readback for each channel
- Over-voltage, over-current, and over-temperature protection
- 2-wire remote sensing on all outputs
- USB interface for remote control and E3631A code compatibility
- Compact benchtop form factor: $145 \times 216 \times 364\ \text{mm}$ (H $\times$ W $\times$ D)
- Class I safety rating; 230 VAC / 115V single-phase supply configurable up to 230 VAC

Typical Applications

Laboratory power distribution for mixed-signal circuit characterization, analog subsystem test, and device development requiring multi-rail low-noise supplies.

Compatibility & Integration

Programmable via USB; E3631A protocol compatible. Designed for indoor use in low-condensation environments. Higher-specification models (E36312A / E36313A) offer 4-wire sensing and expanded interface options.

E36311A Characteristics / Specifications

PARAMETER	VALUE
Model	E36311A
Total Power Output	80 W
Channel 1 Voltage	0 to 6 V
Channel 1 Current	0 to 5 A
Channel 2 Voltage	0 to +25 V
Channel 2 Current	0 to 1 A
Channel 3 Voltage	0 to -25 V
Channel 3 Current	0 to 1 A
Load Regulation Voltage	less than 0.01 percent + 2 mV
Load Regulation Current	less than 0.01 percent + 250 uA
Line Regulation Voltage	less than 0.01 percent + 1 mV
Line Regulation Current	less than 0.01 percent + 250 uA
Output Ripple Noise Voltage	less than 350 uVrms / 2 mVpp
Programming Accuracy Voltage CH	0.1 percent + 5 mV
Programming Accuracy Voltage CH2/CH	0.05 percent + 20 mV
Programming Accuracy Current CH	0.1 percent + 10 mA
Programming Accuracy Current CH2/CH	0.1 percent + 4 mA
Readback Accuracy Voltage CH	0.1 percent + 5 mV
Connectivity	USB
Remote Sensing	2-wire only
Display	4.3 inch LCD color
Series Family	Keysight E36300

E36311A Specifications

PARAMETER	VALUE
Applications	Benchtop analog/digital board bias, student labs, and simple triple-rail powering where tracking +/-25 V rails and USB control suffice.
Key Features	80 W triple-output economy model
USB interface standard	2-wire sensing only
Technical Specifications	Model: E36311A
Notes	From Keysight E36300 Series Triple Output Bench Power Supplies data sheet columns for E36311A.

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	E36311A
Total Power Output	80 W
Channel 1 Voltage	0 to 6 V
Channel 1 Current	0 to 5 A
Channel 2 Voltage	0 to +25 V
Channel 2 Current	0 to 1 A
Channel 3 Voltage	0 to -25 V
Channel 3 Current	0 to 1 A
Load Regulation Voltage	less than 0.01 percent + 2 mV
Load Regulation Current	less than 0.01 percent + 250 uA
Line Regulation Voltage	less than 0.01 percent + 1 mV
Line Regulation Current	less than 0.01 percent + 250 uA
Output Ripple Noise Voltage	less than 350 uVrms / 2 mVpp
Programming Accuracy Voltage CH1	0.1 percent + 5 mV
Programming Accuracy Voltage CH2/CH3	0.05 percent + 20 mV
Programming Accuracy Current CH1	0.1 percent + 10 mA
Programming Accuracy Current CH2/CH3	0.1 percent + 4 mA
Readback Accuracy Voltage CH1	0.1 percent + 5 mV
Connectivity	USB
Remote Sensing	2-wire only
Display	4.3 inch LCD color
Series Family	Keysight E36300
Notes	
From Keysight E36300 Series Triple Output Bench Power Supplies data sheet columns for E36311A.	

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.