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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36312A

Agilent Keysight E36312A Triple Output Bench Power Supply 80 W The Keysight E36312A is the 80 W full-featured E36300 model with three electrically isolated channels (6 V/5 A and two 25 V/1 A). OEM datasheet lists USB/LAN, optional GPIB, 2/4-wire sensing, data logging, output sequencing, list mode, and auto series/parallel. Benchtop and light ATE multi-rail powering needing independent 25 V channels, sequencing, and LAN control. Electrically isolated independent channels The Keysight E36312A is the 80 W full-featured E36300 model with three electrically isolated channels (6 V/5 A and two 25 V/1 A). OEM datasheet lists USB/LAN, optional GPIB, 2/4-wire sensing, data logging, output sequencing, list mode, and auto series/parallel. Benchtop and light ATE multi-rail powering needing independent 25 V channels, sequencing, and LAN control. Electrically isolated independent channels Load Regulation Voltage: less than 0.01 percent + 2 mV



MODEL

**Agilent / Keysight
E36312A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E36312A

LISTING

<https://aumictechlabs.com/products/e36312a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E36312A is an 80 W triple-output programmable DC power supply engineered for benchtop and automated test environments. Each of its three independent, electrically isolated outputs delivers independently programmable voltage and current with exceptional regulation, enabling simultaneous powering of multiple circuits or devices. The unit combines precise

measurement capability - functioning as an integrated voltmeter and ammeter - with advanced sequencing and data-logging functionality for comprehensive test automation and validation.

Technical Specifications

Output Configuration Output 1: 0–6 V, 0–5 A Output 2: 0–25 V, 0–1 A Output 3: 0–25 V, 0–1 A Total rated power: 80 W Performance Line and load regulation: 0.01% Voltage ripple & noise (20 Hz to 20 MHz): < 350 μ Vrms / 2 mVp-p across all outputs Current ripple & noise: < 2 mA rms (Output 1), < 1 mA rms (Output 2), < 500 μ A rms (Output 3) Transient response: < 50 μ sec Programming accuracy Voltage: $\pm$ (0.03% + 2 mV) on Output 1; $\pm$ (0.03% + 5 mV) on Outputs 2 & 3 Programming accuracy Current: $\pm$ (0.04% + 3 mA) on Output 1; $\pm$ (0.04% + 2 mA) on Outputs 2 & 3 Readback accuracy Voltage: $\pm$ (0.04% + 2 mV) on Output 1; $\pm$ (0.04% + 5 mV) on Outputs 2 & 3 Readback accuracy Current: $\pm$ (0.04% + 3 mA) on Output 1; $\pm$ (0.04% + 3 mA) on Outputs 2 & 3; low-range 20 mA: $\pm$ (0.25% + 80 μ A) Remote sense: 2-wire or 4-wire selectable Key Features Output Sequencing: Configure individual on/off delays for each channel from milliseconds to hours, enabling controlled power-up and power-down sequences List Mode: Store and execute command sequences for repeated test scenarios Series/Parallel Configuration: Combine Outputs 2 and 3 in series (doubled voltage) or parallel (doubled current) without external wiring Data Logging: Capture voltage and current measurements with programmable sample rates; export as CSV, PNG, or BMP Protection: Over-voltage, over-current, and over-temperature monitoring Compatibility & Integration Standard interfaces include LAN (LXI Class C) and USB, with optional GPIB support. Rear-panel digital connectivity enables integration into automated test systems.

E36312A Characteristics / Specifications

PARAMETER	VALUE
Model	E36312A
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
Output Ripple Noise Voltage	less than 350 uVrms / 2 mVpp
Programming Accuracy Voltage CH	0.03 percent + 2 mV
Programming Accuracy Voltage CH2/CH	0.03 percent + 5 mV
Programming Accuracy Current CH	0.04 percent + 3 mA
Programming Accuracy Current CH2/CH	0.04 percent + 2 mA
Low Range Current Readback Accuracy	0.25 percent + 80 uA
Connectivity	USB and LAN standard GPIB optional
LXI Compliance	ClassCRemote Sensing: 2-wire and 4-wire
Series Family	Keysight E36300

E36312A Specifications

PARAMETER	VALUE
Applications	Benchtop and light ATE multi-rail powering needing independent 25 V channels, sequencing, and LAN control.
Key Features	80 W full-featured triple output
USB and LAN standard optional GPIB	2-wire and 4-wire sensing
Technical Specifications	Model: E36312A
Notes	From Keysight E36300 Series data sheet columns for E36312A.

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	E36312A
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
Series Mode Voltage CH2+CH3: 50 V Parallel Mode Current CH2+CH3: 2 A	
Specifications	
PARAMETER	VALUE
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
Output Ripple Noise Voltage	less than 350 uVrms / 2 mVpp
Programming Accuracy Voltage CH1	0.03 percent + 2 mV
Programming Accuracy Voltage CH2/CH3	0.03 percent + 5 mV
Programming Accuracy Current CH1	0.04 percent + 3 mA
Programming Accuracy Current CH2/CH3	0.04 percent + 2 mA
Low Range Current Readback Accuracy	0.25 percent + 80 uA
Connectivity	USB and LAN standard GPIB optional
LXI Compliance	ClassCRemote Sensing: 2-wire and 4-wire
Series Family	Keysight E36300

Notes

From Keysight E36300 Series data sheet columns for E36312A.

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.