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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36154A

Low Range Current Accuracy: 0.1 percent + 5 mA Load Transient Recovery Time: less than 1 ms Remote Interfaces: USB LAN standard GPIB optional From Keysight E36150 Series Autoranging bench DC power supply data sheet model column for E36154A. Load Transient Recovery Time: less than 1 ms Remote Interfaces: USB LAN standard GPIB optional From Keysight E36150 Series Autoranging bench DC power supply data sheet model column for E36154A.



MODEL

**Agilent / Keysight
E36154A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E36154A

LISTING

<https://aumictechlabs.com/products/e36154a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight E36154A is an 800 W autoranging DC power supply delivering up to 30 V at 80 A for demanding R&D, design validation, reliability, and quality testing applications. This single-output benchtop unit maximizes voltage-current combinations within its 800 W power envelope and handles peak transients up to 2400 W for short bursts - critical for devices with high-capacitance loads or electromechanical components. Technical Specifications Output Performance Maximum voltage: 30 V Maximum current: 80 A Power rating: 800 W continuous; 2400 W peak (3X transient capability) Voltage programming accuracy: $\pm 0.03\%$ + 5 mV Current programming accuracy: $\pm 0.1\%$ + 20 mA Voltage readback accuracy: $\pm 0.03\%$ + 5 mV Current readback accuracy: $\pm 0.1\%$ + 20 mA (low range: $\pm 0.1\%$ + 250 μ A) Normal-mode voltage ripple & noise: <5 mV rms, <50 mV p-p

(20 Hz to 10 MHz) Adjustable voltage slew rate for inrush current control System Architecture
Form factor: 3U benchtop Display: 4.3-inch color LCD Input power: 100–230 VAC, 47–63 Hz
Autoranging capability with LIST mode sequencing and input/output triggers Remote sensing: 2-
wire and 4-wire modes Front binding posts: IEC61010-compliant, detachable high-current design
with auto-protectionKey Features Over-voltage (OVP), over-current (OCP), and over-temperature
(OTP) protection with built-in thermal sensors Data logging via internal memory and front USB
host port Voltage and current trace measurements Microamp-resolution current measurement
capability Optional scope view and arbitrary waveform generator (requires E36150ADVU upgrade)
Excellent line and load regulationInterfaces & Integration USB and LAN standard connectivity GPIB
available as optional interface Compatible with automotive applications

E36154A Characteristics / Specifications

PARAMETER	VALUE
Model	E36154A
DC Output Voltage	0 to 30 V
DC Output Current	0 to 80 A
DC Output Power	800 W
Outputs	1
Autoranging	yes
Load Regulation Voltage	less than 0.01 percent + 2 mV
Load Regulation Current	less than 0.1 percent + 2 mA
Line Regulation Voltage	less than 0.01 percent + 2 mV
Line Regulation Current	less than 0.1 percent + 2 mA
Output Ripple Noise Vpp 20 Hz To 20 MHz	less than 75 mV
Output Ripple Noise Vrms 20 Hz To 10 MHz	less than 7.5 mV
Programming Accuracy Voltage	0.03 percent + 6 mV
Programming Accuracy Current	0.1 percent + 20 mA
Readback Accuracy Voltage	0.04 percent + 6 mV
Readback Accuracy Current	0.1 percent + 20 mA
Low Range Current Accuracy	0.1 percent + 5 mA
Load Transient Settling Band	75 mV
Load Transient Recovery Time	less than 1 ms
Remote Interfaces	USB LAN standard GPIB optional
Series Family	E36150 Series
Brand Lineage	Agilent / Keysight
Form Factor	benchtop autoranging supply

E36154A Specifications

PARAMETER	VALUE
Applications	High-current benchtop power, power electronics validation, and autoranging DUT bias up to 800 W.
Key Features	800 W autoranging single output
Advanced data logging characterization path	Optional scope view and arbitrary waveform options
Technical Specifications	Model: E36154A
Notes	From Keysight E36150 Series Autoranging bench DC power supply data sheet model column for E36154A.

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	E36154A
DC Output Voltage	0 to 30 V
DC Output Current	0 to 80 A
DC Output Power	800 W
Outputs	1
Autoranging	yes
Load Regulation Voltage	less than 0.01 percent + 2 mV
Load Regulation Current	less than 0.1 percent + 2 mA
Line Regulation Voltage	less than 0.01 percent + 2 mV
Line Regulation Current	less than 0.1 percent + 2 mA
Output Ripple Noise Vpp 20 Hz To 20 MHz: less than 75 mV	
Output Ripple Noise Vrms 20 Hz To 10 MHz: less than 7.5 mV	
Specifications	
PARAMETER	VALUE
Programming Accuracy Voltage	0.03 percent + 6 mV
Programming Accuracy Current	0.1 percent + 20 mA
Readback Accuracy Voltage	0.04 percent + 6 mV
Readback Accuracy Current	0.1 percent + 20 mA
Low Range Current Accuracy	0.1 percent + 5 mA
Load Transient Settling Band	75 mV
Load Transient Recovery Time	less than 1 ms
Remote Interfaces	USB LAN standard GPIB optional
Series Family	E36150 Series
Brand Lineage	Agilent / Keysight
Form Factor	benchtop autoranging supply

Notes

From Keysight E36150 Series Autoranging bench DC power supply data sheet model column for E36154A.

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