

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E36154ABV

Agilent / Keysight DC Power Supplies. Accuracy: 0.03%, Accuracy: 0.1%, Resolution: Microampere range.



MODEL

**Agilent / Keysight
E36154ABV**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E36154ABV

LISTING

<https://aumictechlabs.com/products/e36154abv-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight E36154ABV is an 800 W autoranging DC power supply bundle engineered for demanding test and measurement applications. The core E36154A unit delivers 0–30 V at 0–80 A with exceptional regulation - line and load regulation better than 0.01% - and output ripple and noise under 5 mVrms. This bundle integrates waveform generation, real-time data capture, and automotive standards testing capabilities, enabling fast transient response and controlled voltage slew rates across manual and automated test environments. The supply handles peak power up to 2400 W (3X rated) for short bursts, accommodating inrush currents and electromechanical devices. Remote sensing (2-wire and 4-wire) ensures accurate voltage and current delivery at the load. Built-in protection covers overvoltage, overcurrent, and overtemperature conditions. Programming resolution delivers voltage accuracy of 0.03% and current accuracy of 0.1% via remote interface, with microampere-level measurement capability. Technical Specifications Output: 0–30 V, 0–80 A, up to 800 W (autoranging) Input: 100–230 VAC Line and Load Regulation: Better than 0.01% Output Ripple and Noise: Less than 5 mVrms Peak Power

Handling: Up to 2400 W (3X maximum, short-duration bursts) Voltage Accuracy: 0.03% Current Accuracy: 0.1% Low Current Resolution: Microampere range Adjustable Voltage Slew Rate: Maximum speed to 15,000 seconds (programmable) Input Power: 100–230 VAC Calibration Interval: 12 months

Key Features Autoranging topology maximizes V-I combinations at rated power Remote sensing (2-wire and 4-wire) for load-point accuracy Output sequencing, LIST mode, and trigger synchronization Built-in data logging with USB host interface Scope View option (with E36150ADVU) for voltage, current, and power waveforms; 10 μ s/100 kHz sampling, 256K memory Arbitrary Waveform Generation (with E36150ADVU): sine, step, ramp, staircase, pulse, trapezoid, exponential; up to 512 setpoints Automotive Standards Testing support (with E36150ATMU) Overvoltage, overcurrent, and overtemperature protection

Typical Applications Battery charger and fuel cell testing Automotive component validation High-current device characterization Transient load simulation Electromechanical actuator testing

Compatibility & Integration The E36154ABV bundle integrates the E36154A DC power supply with optional measurement (E36150ADVU) and automotive test modules (E36150ATMU) for extended waveform and standards capabilities.

E36154ABV Characteristics / Specifications

PARAMETER	VALUE
Model	E36154A
Series	E36150
Instrument Type	Autoranging single-output bench DC power supply
Dc Output Voltage	0 to 30 V
Dc Output Current	0 to 80 A
Dc Output Power	800 W
Output Channels	1
Peak Power Handling Class	up to 2400 W
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
Ripple Noise Vpp 20 Hz To 20 MHz	less than 75 mV
Ripple Noise Vrms 20 Hz To 10 MHz	less than 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
Programming Resolution Voltage Remote	2 mV
Programming Resolution Current Remote	5 mA
Readback Resolution Voltage Remote	1 mV
Readback Resolution Current Remote	3 mA

PARAMETER	VALUE
Normal Mode Current Noise	less than 1 mArms
Command Processing Time	less than 10 ms
Remote Interfaces Standard	USB and LAN LXI
GPIB Interface Path	optional user-installable module
Display	4.3 inch LCD color
Temperature Rating Output	0 to 40 C for stated ratings

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
Series	E36150
Instrument Type	Autoranging single-output bench DC power supply
Dc Output Voltage	0 to 30 V
Dc Output Current	0 to 80 A
Dc Output Power	800 W
Output Channels	1
Peak Power Handling Class	up to 2400 W
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
Ripple Noise Vpp 20 Hz To 20 MHz: less than 75 mV	
Ripple Noise Vrms 20 Hz To 10 MHz: less than 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
Programming Resolution Voltage Remote	2 mV
Programming Resolution Current Remote	5 mA
Readback Resolution Voltage Remote	1 mV

PARAMETER	VALUE
Readback Resolution Current Remote	3 mA
Normal Mode Current Noise	less than 1 mA rms
Command Processing Time	less than 10 ms
Remote Interfaces Standard	USB and LAN LXI
GPIB Interface Path	optional user-installable module
Display	4.3 inch LCD color
Temperature Rating Output	0 to 40 C for stated ratings

Notes
From Keysight E36150 Series Autoranging Bench DC Power Supply datasheet model column 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

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
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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