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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3614A 48W Power Supply

HP Agilent E3614A Bench Series DC Power Supply The Agilent E3614A is a single-range bench DC power supply in the E3614A–E3617A 60 W family. OEM output is 0 to 8 V, 0 to 6 A (48 W class) with adjustable overvoltage protection, remote sensing, rear outputs, and remote analog voltage/resistance programming. Bench and light ATE bias needing remote sense and OVP, tracking or higher-power stacks of multiple supplies, and lab work where analog remote programming replaces GPIB. Remote analog voltage and resistance programming The Agilent E3614A is a single-range bench DC power supply in the E3614A–E3617A 60 W family. OEM output is 0 to 8 V, 0 to 6 A (48 W class) with adjustable overvoltage protection, remote sensing, rear outputs, and remote analog voltage/resistance programming. Bench and light ATE bias needing remote sense and OVP, tracking or higher-power stacks of multiple supplies, and lab work where analog remote programming replaces GPIB. Remote analog voltage and resistance programming Floating outputs isolatable to ± 240 Vdc from ground



MODEL

**Agilent / Keysight
E3614A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E3614A

LISTING

<https://aumictechlabs.com/products/e3614a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E3614A is a 48 W single-output DC power supply engineered for benchtop test and measurement applications requiring precise voltage and current control. This unit delivers 0–8 V DC at 0–6 A with dual-mode operation (CV/CC), making it suitable for component characterization, circuit validation, and equipment powering across laboratory and production

environments. Technical Specifications Output Ratings Voltage: 0–8 V DC Current: 0–6 A Maximum Power: 48 W Control Modes: Constant Voltage (CV) and Constant Current (CC)

Performance Ripple and noise (20 Hz to 20 MHz): $\leq 200 \mu\text{V rms}$; $\leq 1 \text{ mV peak-to-peak}$. Load and line regulation both $\leq 0.01\% + 2 \text{ mV}$. Transient response recovers within 50 μsec following output current step from full load to half load. Operating temperature 0–40 °C at rated output; derates 1% per °C from 40–55 °C. Metering and Control Voltage meter resolution 10 mV; current meter resolution 10 mA. Meter accuracy $\pm 0.5\% + 2 \text{ counts}$ (25 °C ± 5 °C). Voltage and current adjustment via 10-turn potentiometers. Adjustable overvoltage protection and current limiting without output short. Remote sensing and analog voltage programming supported. Output Connectivity Front and rear terminals. Outputs float up to 240 V from ground; either terminal can ground. Physical and Environmental Convection cooling. Dimensions 88.1 mm H $\times$ 212.3 mm W $\times$ 318.4 mm D. Weight 3.8 kg net.

Key Features Dual CV/CC modes for flexible load adaptation Low ripple and noise ensures clean power for sensitive circuits Adjustable OVP and current limiting protect connected devices Remote sensing corrects for lead-drop voltage losses Analog programming enables remote voltage control Compact form factor fits standard benchtop setups

Typical Applications Component testing and characterization. Device burn-in and reliability screening. Circuit development and breadboarding. Equipment power-up and verification. Educational laboratory work.

Compatibility & Integration Certified to CSA 22.2 No. 231, IEC 1010-1; carries CE Mark. Meets CISPR-11 Group 1 Class A and EMC Directive 89/336/EEC (including 93/68/EEC). Convection cooling requires unobstructed ventilation.

E3614A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
Number of Output Ranges	1
GPIB	No
Output Rating	0 to 8 V, 0 to 6 A
Maximum Power	48 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 250 μ A
Ripple Voltage RMS 20 Hz to 20 MHz	Less than 200 μ V
Ripple Voltage Peak to Peak	Less than 1 mV
Ripple Current RMS	Less than 5 mA rms
OVP Trip Range	2.5 to 10 V
OVP Margin Above Output	4% of output + 2 V minimum
Remote Analog Programming Input	0 to 10 V for zero to full scaleVorlRemote Analog Programming Linearity: 0.5% voltage; 0.5% current
Programming Input Protection	Up to $\pm$ 40 V
Meter Resolution Voltage	10 mV
Meter Resolution Current	10 mA
Transient Response Time	Less than 50 μ s to within 15 mV for full to half load
Isolation	$\pm$ 240 Vdc
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perCto 55 C
Cooling	Convection
Size	213 mmWx 91 mmHx 373 mmDNet Weight: 5.5 kg (12.1 lb)
Shipping Weight	6.75 kg (14.9 lb)

PARAMETER	VALUE
Operating temperature	Full Output: 0 to 40 C

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Full Output: 0 to 40 C
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Current Derating Above 40 C	1% perCto 55 C
Cooling	Convection
Size	213 mmWx 91 mmHx 373 mmDNet Weight: 5.5 kg (12.1 lb)
Shipping Weight	6.75 kg (14.9 lb) Notes Specs from Agilent E361xA 60 W Bench Series Operating and Service Manual and E3600-series catalog for E3614A.

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
Number of Outputs	1
Number of Output Ranges	1
GPIO	No
Output Rating	0 to 8 V, 0 to 6 A
Maximum Power	48 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 250 uA
Ripple Voltage RMS 20 Hz to 20 MHz: Less than 200 uV	
Specifications	
PARAMETER	VALUE
Ripple Voltage Peak to Peak	Less than 1 mV
Ripple Current RMS	Less than 5 mA rms
OVP Trip Range	2.5 to 10 V
OVP Margin Above Output	4% of output + 2 V minimum
Remote Analog Programming Input	0 to 10 V for zero to full scaleVorIRemote Analog Programming Linearity: 0.5% voltage; 0.5% current
Programming Input Protection	Up to ±40 V
Meter Accuracy 25±5 C: ±(0.5% of output + 2 counts)	
Specifications	
PARAMETER	VALUE
Meter Resolution Voltage	10 mV
Meter Resolution Current	10 mA
Transient Response Time	Less than 50 us to within 15 mV for full to half load
Isolation	±240 Vdc

PARAMETER	VALUE
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perCto 55 C
Cooling	Convection
Size	213 mmWx 91 mmHx 373 mmDNet Weight: 5.5 kg (12.1 lb)
Shipping Weight	6.75 kg (14.9 lb)

Notes
Specs from Agilent E361xA 60 W Bench Series Operating and Service Manual and E3600-series catalog for E3614A.

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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<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.