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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3612A 30W Power Supply, 60V, 0.5A or 120V, 0.25A

HP Agilent E3612A Dual-Range Bench DC Power Supply The Agilent E3612A is a compact dual-range single-output bench DC power supply in the E3600 series. OEM ratings are 0 to 60 V / 0 to 0.5 A or 0 to 120 V / 0 to 0.25 A within a 30 W envelope, with CV/CC operation, 10-turn controls, and digital metering. Bench bias for developmental linear and digital IC circuits, general laboratory powering of small assemblies, and educational or repair benches needing dual voltage/current ranges without GPIB. Dual output ranges selected by front-panel RANGE pushbutton The Agilent E3612A is a compact dual-range single-output bench DC power supply in the E3600 series. OEM ratings are 0 to 60 V / 0 to 0.5 A or 0 to 120 V / 0 to 0.25 A within a 30 W envelope, with CV/CC operation, 10-turn controls, and digital metering. Bench bias for developmental linear and digital IC circuits, general laboratory powering of small assemblies, and educational or repair benches needing dual voltage/current ranges without GPIB. Dual output ranges selected by front-panel RANGE pushbutton



MODEL

**Agilent / Keysight
E3612A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E3612A

LISTING

<https://aumictechlabs.com/products/e3612a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight E3612A is a 30 W benchtop DC power supply delivering single-output voltage regulation across dual ranges: 0–60 Vdc at 0–0.5 A, or 0–120 Vdc at 0–0.25 A. Operating

in both constant voltage (CV) and constant current (CC) modes, the unit combines precision output control with exceptionally low noise performance, making it suited for laboratory power sourcing, circuit validation, and component testing where output stability is critical.

Technical Specifications

Output Ranges Range 1: 0–60 Vdc, 0–0.5 A Range 2: 0–120 Vdc, 0–0.25 A Total power: 30 W

Output Quality Load and line regulation: $<0.01\% + 2 \text{ mV}$ Ripple and noise (20 Hz to 20 MHz): $<200 \text{ } \mu\text{Vrms}$, $<2 \text{ mVpp}$ (voltage); $<200 \text{ } \mu\text{Arms}$, $<1 \text{ mApp}$ (current)

Temperature coefficient: $<0.02\% + 1 \text{ mV}/^\circ\text{C}$ (CV); $<0.02\% + 2 \text{ mA}/^\circ\text{C}$ (CC)

Output drift (8 hours post warm-up): $<0.1\% + 5 \text{ mV}$ (CV); $<0.1\% + 10 \text{ mA}$ (CC)

Transient response time: $<50 \text{ } \mu\text{sec}$ (recovery to $\pm 10 \text{ mV}$ following full-to-half load transition)

Metering Voltage resolution: 100 mV; current resolution: 1 mA

Accuracy: $\pm 0.5\% + 2 \text{ counts}$ at $25^\circ\text{C} \pm 5^\circ\text{C}$

AC Input 104–127 Vac, 47–63 Hz (standard)

Optional configurations: 100 Vac $\pm 10\%$, 115 Vac $\pm 11\%$, 230 Vac $\pm 23\%$

Key Features Dual-range output for flexible voltage/current selection Continuous overload protection via constant current circuit, including short-circuit tolerance Internal or external sensing selectable Three isolated front-panel output terminals; positive or negative leg can be grounded Convection-cooled; compact benchtop footprint ($91 \times 213 \times 319 \text{ mm}$, 3.8 kg)

Environmental Specifications Operating temperature: $0\text{--}40^\circ\text{C}$ at full rated output; 1% current derating per $^\circ\text{C}$ from $40\text{--}55^\circ\text{C}$

Compatibility & Integration Part of the Agilent E3600 Series of benchtop power supplies. Product status: obsolete as of January 1, 2019.

E3612A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
Number of Output Ranges	2
GPIB	No
Range 1 Output	0 to 60 V, 0 to 0.5 A
Range 2 Output	0 to 120 V, 0 to 0.25 A
Maximum Power	30 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Load Regulation Current	Less than 0.01% + 1 mA
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 1 mA
Ripple Voltage RMS 20 Hz to 20 MHz	Less than 200 μ V
Ripple Voltage Peak to Peak	Less than 2 mV
Ripple Current RMS	Less than 200 μ A
Ripple Current Peak to Peak	Less than 1 mA
Transient Response Time	Less than 50 μ s to within 10 mV for full to half load
Temperature Coefficient Voltage	Less than 0.02% + 1 mV perC Temperature Coefficient Current: Less than 0.02% + 2 mA perC Output Drift Voltage 8 hours: Less than 0.1% + 5 mV after 30 min warm-up
Output Drift Current 8 hours	Less than 0.1% + 10 mA after 30 min warm-up
Meter Resolution Voltage	100 mV
Meter Resolution Current	1 mA
Isolation	$\pm$ 240 Vdc
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perC to 55 C
AC Input Standard	115 Vac $\pm$ 10%, 47 to 63 Hz
AC Input Option 0E	100 Vac $\pm$ 10%, 47 to 63 Hz

PARAMETER	VALUE
Cooling	Convection
Size	213 mmWx 91 mmHx 319 mmDNet Weight: 3.8 kg (8.4 lb)
Shipping Weight	5.1 kg (11.3 lb)
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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Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perCto 55 C
AC Input Standard	115 Vac ±10%, 47 to 63 Hz
AC Input Option 0E	100 Vac ±10%, 47 to 63 Hz
Cooling	Convection
Size	213 mmWx 91 mmHx 319 mmDNet Weight: 3.8 kg (8.4 lb)
Shipping Weight	5.1 kg (11.3 lb) Notes Specs from Agilent E361xA Operating and Service Manual and E3600-series catalog tables for E3612A. Accuracies and ripple are OEM warranted values unless marked typical in source.

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	2
GPIB	No
Range 1 Output	0 to 60 V, 0 to 0.5 A
Range 2 Output	0 to 120 V, 0 to 0.25 A
Maximum Power	30 W
Load Regulation Voltage	Less than 0.01% + 2 mV
Load Regulation Current	Less than 0.01% + 1 mA
Line Regulation Voltage	Less than 0.01% + 2 mV
Line Regulation Current	Less than 0.01% + 1 mA

Ripple Voltage RMS 20 Hz to 20 MHz: Less than 200 uV

Specifications

PARAMETER	VALUE
Ripple Voltage Peak to Peak	Less than 2 mV
Ripple Current RMS	Less than 200 uA
Ripple Current Peak to Peak	Less than 1 mA
Transient Response Time	Less than 50 us to within 10 mV for full to half load
Temperature Coefficient Voltage	Less than 0.02% + 1 mV perCTemperature Coefficient Current: Less than 0.02% + 2 mA perCOutput Drift Voltage 8 hours: Less than 0.1% + 5 mV after 30 min warm-up
Output Drift Current 8 hours	Less than 0.1% + 10 mA after 30 min warm-up

Meter Accuracy 25±5 C: ±0.5% + 2 counts

Specifications

PARAMETER	VALUE
Meter Resolution Voltage	100 mV
Meter Resolution Current	1 mA

PARAMETER	VALUE
Isolation	±240 Vdc
Operating Temperature Full Output	0 to 40 C
Current Derating Above 40 C	1% perCto 55 C
AC Input Standard	115 Vac ±10%, 47 to 63 Hz
AC Input Option 0E9	100 Vac ±10%, 47 to 63 Hz
AC Input Option 0E3	230 Vac ±10%, 47 to 63 Hz
Cooling	Convection
Size	213 mmWx 91 mmHx 319 mmDNet Weight: 3.8 kg (8.4 lb)
Shipping Weight	5.1 kg (11.3 lb)

Notes

Specs from Agilent E361xA Operating and Service Manual and E3600-series catalog tables for E3612A. Accuracies and ripple are OEM warranted values unless marked typical in source.

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
NAICS 423690 · 811210 · 541380
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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.