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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 3617A Power Supply

HP Agilent E3617A Bench Series DC Power Supply The Agilent E3617A is a single-range bench DC power supply in the E3614A–E3617A 60 W family. OEM output is 0 to 60 V, 0 to 1 A (60 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 E3617A is a single-range bench DC power supply in the E3614A–E3617A 60 W family. OEM output is 0 to 60 V, 0 to 1 A (60 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

HP / Agilent 3617A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

3617A

LISTING

<https://aumictechlabs.com/products/3617a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 3617A is a 60 W single-output DC power supply engineered for electronic testing, development, and circuit characterization. It delivers stable, adjustable DC voltage and current across a 0–60 Vdc range with output current to 1 A, operating in both Constant Voltage (CV) and Constant Current (CC) modes. The unit combines excellent load and line regulation ($< 0.01\% + 2$

mV), ultra-low ripple and noise performance, and precise metering resolution to support sensitive analog and digital circuit work. Technical Specifications Output Power: 60 W Output Voltage Range: 0 to 60 Vdc Output Current Range: 0 to 1 A Load and Line Regulation: $< 0.01\% + 2 \text{ mV}$ Ripple and Noise (20 Hz–20 MHz): $< 200 \mu\text{Vrms}$, $< 1 \text{ mVpp}$ voltage; 20 V) Current Meter Resolution: 1 mA Temperature Coefficient (CV): $< 0.02\% + 1 \text{ mV}/^\circ\text{C}$ Temperature Coefficient (CC): $< 0.02\% + 2 \text{ mA}/^\circ\text{C}$ Output Drift (8 hours post warm-up, CV): $< 0.1\% + 5 \text{ mV}$ Output Drift (8 hours post warm-up, CC): $< 0.1\% + 10 \text{ mA}$ Transient Response Time: $< 50 \mu\text{s}$ (10 mV recovery window) AC Input: 104–127 Vac, 47–63 Hz Ambient Operating Range: 0–40°C (full rating); 40–55°C (1%/°C current derating) Dimensions: 91 mm (H) × 213 mm (W) × 373 mm (D) Weight: 5.5 kg (12.1 lb) Key Features Adjustable overvoltage protection Remote sensing for enhanced regulation at load terminals Remote analog programming capability 10-turn potentiometers for precise voltage and current control Auto-parallel, auto-series, and auto-tracking operation modes Front and rear panel output terminals Convection cooling design Typical Applications Characterization and stress testing of analog circuits, power amplifiers, and semiconductor devices; laboratory R&D bench work; component burn-in and reliability screening. Compatibility & Integration Operates from standard 104–127 Vac single-phase utility power. Supports remote analog programming and remote sensing configurations for systems requiring distributed power control.

3617A Characteristics / Specifications

PARAMETER	VALUE
Number of Outputs	1
Number of Output Ranges	1
GPIB	No
Output Rating	0 to 60 V, 0 to 1 A
Maximum Power	60 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 500 μ A rms
OVP Trip Range	5 to 65 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 (0 to 20 V), 100 mV (above 20 V)
Meter Resolution Current	1 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

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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 E3617A.

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
GPiB	No
Output Rating	0 to 60 V, 0 to 1 A
Maximum Power	60 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 500 uA rms
OVP Trip Range	5 to 65 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 (0 to 20 V), 100 mV (above 20 V)
Meter Resolution Current	1 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 E3617A.

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.