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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight E3617A 60W Power Supply, 60V, 1A

Keysight / Agilent E3617A DC Power Supply The Agilent E3617A is a single-output laboratory DC power supply in the E361xA family. Published Keysight family data for E3617A rate 0 to 60 V and 0 to 1 A with 60 W output. Constant voltage and constant current operation with front-panel meters support bench and light ATE use. Bench DC bias, low-power circuit development, and general purpose 60 V / 1 A laboratory supply needs. Constant voltage and constant current modes The Agilent E3617A is a single-output laboratory DC power supply in the E361xA family. Published Keysight family data for E3617A rate 0 to 60 V and 0 to 1 A with 60 W output. Constant voltage and constant current operation with front-panel meters support bench and light ATE use. Bench DC bias, low-power circuit development, and general purpose 60 V / 1 A laboratory supply needs. Constant voltage and constant current modes Metering: front panel voltage and current meters class



MODEL

**Agilent / Keysight
E3617A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E3617A

LISTING

<https://aumictechlabs.com/products/e3617a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E3617A is a 60 W single-output DC power supply engineered for benchtop laboratory and engineering applications. It delivers continuously adjustable output from 0 to 60 Vdc at 0 to 1 A, with tight load and line regulation of <0.01% + 2 mV and extremely low noise

performance. The unit operates in both constant voltage (CV) and constant current (CC) modes, with built-in overvoltage protection and a continuously acting constant current circuit that safeguards against overloads and short circuits.

Technical Specifications

Output: 0 to 60 Vdc, 0 to 1 A (60 W maximum)

Input Power: 104 to 127 Vac, 47 to 63 Hz

Load & Line Regulation: $<0.01\% + 2$ mV

Ripple & Noise (20 Hz to 20 MHz): <200 μ Vrms; <1 mV peak-to-peak

Load Transient Response: <50 μ sec recovery to within 15 mV following full-load to half-load step change

Total Drift (8 hours post warm-up): Voltage $<0.1\% + 5$ mV; Current 20 V); Current 1 mA

Display: LCD

Current Derating: 1% per °C between 40° to 55°C

Key Features

- 10-turn potentiometers for precise voltage and current adjustment
- Dual output terminals (front and rear panel access)
- Remote analog programming and remote sensing capabilities
- Constant voltage and constant current mode selection
- Integrated overvoltage protection circuit

Typical Applications

- Device characterization and bench testing
- Circuit development and validation
- Laboratory power delivery for low-current, high-voltage experiments
- Equipment requiring stable, low-noise DC power up to 60 V

Compatibility & Integration

This model is classified as obsolete with support intended to cease by January 1, 2019. Remote analog programming accepts 0 to 10 V control signals for automated or external system integration.

E3617A Characteristics / Specifications

PARAMETER	VALUE
Model	E3617A
Instrument Type	DC power supply
Output Voltage Range	0 to 60 V
Output Current Range	0 to 1 A
Output Power	60 W
Mode Cv	constant voltage
Mode Cc	constant current
Family	E361xA
Outputs	1
Metering	front panel voltage and current meters class
Card Geometry	bench laboratory supply
Load Regulation Class	E361xA family load regulation
Line Regulation Class	E361xA family line regulation
Ripple Class	E361xA family low ripple
Protection Class	overload protection family features
Interfaces Class	manual front panel primary control
Cooling	convection bench instrument
Input Power	AC mains powered laboratory supply
Polarity	DC output with front binding posts class
Series Operation Class	family series parallel guidance in manual
Tracking Class	single output non-tracking supply
Documentation Scope	OEM published numeric tables

E3617A Specifications

PARAMETER	VALUE
Keysight / Agilent E3617A DC Power Supply	Overview
Applications	Bench DC bias, low-power circuit development, and general purpose 60 V / 1 A laboratory supply needs.
Technical Specifications	Model: 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
Model	E3617A
Instrument Type	DC power supply
Output Voltage Range	0 to 60 V
Output Current Range	0 to 1 A
Output Power	60 W
Mode Cv	constant voltage
Mode Cc	constant current
Family	E361xA
Outputs	1
Metering	front panel voltage and current meters class
Card Geometry	bench laboratory supply
Load Regulation Class	E361xA family load regulation
Line Regulation Class	E361xA family line regulation
Ripple Class	E361xA family low ripple
Protection Class	overload protection family features
Interfaces Class	manual front panel primary control
Cooling	convection bench instrument
Input Power	AC mains powered laboratory supply
Polarity	DC output with front binding posts class
Series Operation Class	family series parallel guidance in manual
Tracking Class	single output non-tracking supply
Documentation Scope	OEM published numeric tables
Notes	
From Agilent Keysight E361xA family published ratings for E3617A. Exact load/line regulation percentages belong on the E3617A datasheet revision matching the unit.	

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.