

KEYSIGHT TECHNOLOGIES (AGILENT HP)

E3620A

The Keysight E3620A is a compact, dual-output 50W linear bench power supply featuring two independent, isolated outputs. It provides clean, low-noise DC power with excellent load and line regulation, precise ten-turn potentiometers, and digital LED displays, making it an excellent choice for general-purpose benchtop testing.

SPECIFICATIONS

General

Interfaces	None (analog manual control only)
Product Series	E3600 Series
Installation Category	Installation Category II
Pollution Degree	Pollution Degree 2

Physical

Operating Temperature	0 to 55 °C (current derated 3.3% per °C from 40°C to 55°C) °C
Dimensions (W×H×D)	212.8 mm W × 88.1 mm H × 348.3 mm D mm
Weight	5.5 kg kg
Shipping Weight	6.7 kg

DC Output Specifications

Number of Outputs	2 (independent and isolated)
Output Channel 1 Voltage Range	0 to 25 V
Output Channel 1 Current Range	0 to 1 A
Output Channel 2 Voltage Range	0 to 25 V
Output Channel 2 Current Range	0 to 1 A
Total Maximum Power	50 W
Output Isolation Voltage	240 Vdc (each output can be floated up to 240 V from chassis ground)
Series-Parallel Mode Capability	Outputs can be connected in series or parallel

Regulation

Voltage Load Regulation	< 0.01% + 2 mV
Voltage Line Regulation	< 0.01% + 2 mV

Ripple & Noise

Voltage Ripple and Noise (RMS)	< 350 µV
Voltage Ripple and Noise (Peak-to-Peak)	< 1.5 mV
Common Mode Current Ripple (RMS)	< 1.0 µA

Meter Accuracy

Voltage Meter Accuracy (at 25°C ± 5°C)	±(0.5% of output + 2 counts)
Current Meter Accuracy (at 25°C ± 5°C)	±(0.5% of output + 2 counts)

Meter Resolution

Voltage Meter Resolution (0 - 20 V)	10 mV
Voltage Meter Resolution (> 20 V)	100 mV
Current Meter Resolution	1 mA

Performance

Transient Response Recovery Time	< 50 μs (for output recovery to within 15 mV after a 50% to 100% load change)
Output Voltage Temperature Coefficient	< 0.02% + 1 mV per °C

Protection Features

Overload Protection	Front-panel LED overload indicators (activate when output current exceeds limit)
Short-Circuit Protection	Continuous current limiting

Control & Interface

Voltage Control Mechanism	Ten-turn potentiometers for precise voltage adjustment
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Environmental

Cooling Mechanism	Convection cooling (silent, fanless operation)
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Power

AC Input Frequency Range	47 Hz - 63 Hz
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TECHNOLOGY

Linear

APPLICATIONS

Benchtop electronic testing and prototyping

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.