

# Bench Power Supply Products

## CATALOG



# Table of Contents

4

E36100 Series Bench Power Supplies

6

E36150 Series Autoranging Benchtop Power Supplies

8

E3630 Series Bench Power Supplies

10

E3640 Series Bench Power Supplies

12

E36300 Series Triple Output Bench Power Supplies

14

E36200 Series Autoranging Bench Power Supplies

16

EDU36311A Triple-Output Bench Power Supply

# DC Bench Power Supplies

## Clean, Reliable Power on Your Bench

For more than 50 years, Keysight's power supplies have been changing the way engineers prove their designs, understand issues, and ensure product quality. Our bench power supply products provide low output ripple / noise along with layers of protection for your device. You have the option of selecting from full-featured programmable power supplies or simple variable DC power supplies.

With their bright displays, wide viewing angles, and form factors that are right for any bench, Keysight power supplies are the ideal choice when you need to power your next insight.



E36200

# E36100 Series: A Bench Power Supply for Low- Power Devices

The Keysight E36100 Series, designed for low-power devices, provides cleaner power, better device protection, and higher accuracy than oversized supplies. Its small size (2U, quarter rack) and broad viewing angle fit neatly on any bench. The easy-to-use rotary knob with digit-by-digit control allows you to set the output at the desired resolution quickly and easily.

- wide viewing angle from OLED display
- clean and stable DC power
- excellent programming and readback accuracy
- LAN (LXI Core) and USB connectivity

E36104B



# E36100 Series

Model	Voltage	Current	Power	
E36102B	6 V	5 A	30 W	<a href="#">Get a Quote &gt;</a>
E36103B	20 V	2 A	40 W	<a href="#">Get a Quote &gt;</a>
E36104B	35 V	1 A	35 W	<a href="#">Get a Quote &gt;</a>
E36105B	60 V	0.6 A	36 W	<a href="#">Get a Quote &gt;</a>
E36106B	100 V	0.4 A	40 W	<a href="#">Get a Quote &gt;</a>

E36102B



# E36150 Series: Autoranging Benchtop Power Supplies

The Keysight E36150 Series autoranging benchtop power supply features two models with 800W power on a single channel output. The models can supply up to 60V and 80A and provide plenty of usable power to meet your testing needs. The Keysight E36150 Series introduces a new innovation—a detachable high current front binding post. The binding post delivers all its rated current at the front output for convenient wire connection while maintaining full compliance with the International Electrotechnical Commission (IEC) 61010 standard. The detachable binding post also features a built-in thermal sensor and auto protection mechanism to ensure your safety, as well as the safety of your devices.

E36155A



# E36150 Series

The E36150 Series also has advanced characterization and power simulation capabilities, including volt- and current-meter, data logging, scope view, and arbitrary waveform generation (AWG). Feature-packed to deliver high performance, the Series provides a one-box solution that eliminates the demand of having to meet the requirements of multiple instruments. These factors help you save time and avoid complex setups. Additional features include:

- Use autoranging power supplies that produce more current at all voltages levels
- Peak power that handles up to 3x the maximum power rating to accommodate start-up power surge requirements from electromechanical and high capacitance devices under test.
- High performance with precise output accuracy, minimal noise, and excellent load / line regulation.
- Data logging, volt- and current-meter, adjustable slew rate, 4-wire remote sensing, LIST output programming, and digital controls.
- Option to upgrade to the Keysight E36150ADVU for scope view and AWG functions that offer advanced characterization and power simulation.
- Overvoltage, overcurrent, and overtemperature provide device protection.
- Keysight BV0003B PathWave BenchVue Power Supply App and Test Flow automation support, and Keysight BV9200B / BV9201B BenchVue Advanced Power Control and Analysis software assistance.

Model	Output	Voltage	Current	Power	
E36154A	1	0 to 30 V	0 to 80 A	800 W	<a href="#">Get a Quote &gt;</a>
E36155A	1	0 to 60 V	0 to 40 A	800 W	<a href="#">Get a Quote &gt;</a>

# E3630 Series: Clean and Stable Power Up to 200 W

When your requirements demand more power, the Keysight E3630 Series offers up to 200 W per output. These linear power supplies meet the requirements of the most demanding applications in R&D design verifications, production testing, and quality-assurance verifications with quality and reliability you can count on.

- low-noise linear power supply
- excellent regulation
- single-output, 120 or 200 W
- dual-range output
- four-wire remote sense
- save and recall functions
- overvoltage and overcurrent protection
- RS-232 and GPIB connectivity





# E3630 Series

Model	Output	Voltage	Current	Power	
E3632A	1	15 V	7 A	120 W	<a href="#">Get a Quote &gt;</a>
		30 V	4 A		
E3633A	1	8 V	20 A	200 W	<a href="#">Get a Quote &gt;</a>
		20 V	10 A		
E3634A	1	25 V	7 A	200 W	<a href="#">Get a Quote &gt;</a>
		50 V	4 A		



E3633A

# E3640 Series: Single and Dual Outputs Up to 100 W

The Keysight E3640 Series bench power supply provides outputs from 30 W to 100 W of power along with dual-range flexibility. Each output has a low- and high-voltage range. The low-voltage range allows the power supply to output more current. The series also has models with one and two outputs — turn tracking on or off to allow the two outputs to operate independently or work as a pair.

- low output noise with ripple and noise < 500  $\mu$ Vrms
- stable output, load regulation < 0.01%
- meter accuracy better than 0.05%
- store and recall up to five operating states
- highly visible vacuum fluorescent display
- one or two channels
- RS-232 and GPIB connectivity

E3640A



# E3640 Series

Model	Output		Voltage	Current	Power	
E3640A	1	-	8 V	3 A	30 W	<a href="#">Get a Quote &gt;</a>
			20 V	1.5 A		
E3641A	1	-	35 V	0.8 A	30 W	<a href="#">Get a Quote &gt;</a>
			60 V	0.5 A		
E3642A	1	-	8 V	5 A	50 W	<a href="#">Get a Quote &gt;</a>
			20 V	2.5 A		
E3643A	1	-	35 V	1.4 A	50 W	<a href="#">Get a Quote &gt;</a>
			60 V	0.8 A		
E3644A	1	-	8 V	8 A	80 W	<a href="#">Get a Quote &gt;</a>
			20 V	4 A		
E3645A	1	2	35 V	2.2 A	80 W	<a href="#">Get a Quote &gt;</a>
			60 V	1.3 A		
E3646A	2	2	8 V	3 A	60 W	<a href="#">Get a Quote &gt;</a>
			20 V	1.5 A		
E3647A	2	2	35 V	0.8 A	60 W	<a href="#">Get a Quote &gt;</a>
			60 V	0.5 A		
E3648A	2	2	8 V	5 A	100 W	<a href="#">Get a Quote &gt;</a>
			20 V	2.5 A		
E3649A	2	2	35 V	1.4 A	100 W	<a href="#">Get a Quote &gt;</a>
			60 V	0.8 A		

# E36300 Series: Triple Output, Low Noise, and Packed with Features

The Keysight E36300 Series triple-output power supply is ready for your bench application. With low output ripple / noise and accurate voltage and current measurements, you can test with confidence. Power multiple voltage buses with clean, reliable power, or view voltage and current on all outputs simultaneously. You have access to advanced features such as data logging, output sequencing, list mode, and output coupling.

- low output noise — ripple and noise < 350  $\mu$ Vrms
- accurate programming and readback accuracy < 0.04%
- excellent stability with line and load regulation at 0.01%
- triple-output power supply with independent or tracking output
- four-wire sense to improve measurement accuracy
- overvoltage and overcurrent device protection
- USB, LAN (LXI Core), and optional GPIB connectivity

E36300 SERIES



# E36300 Series

Model	Power	Outputs	DC output rating (0 to 40 °C)		
E36311A Economy model	80 W	1	0 to 6 V	0 to 5 A	<a href="#">Get a Quote &gt;</a>
		2	0 to +25 V	0 to 1 A	
		3	0 to -25 V		
E36312A Most popular model	80 W	1	0 to 6 V	0 to 5 A	<a href="#">Get a Quote &gt;</a>
		2	0 to 25 V	0 to 1 A	
		3			
E36313A High-current model	160 W	1	0 to 6 V	0 to 10 A	<a href="#">Get a Quote &gt;</a>
		2	0 to 25 V	0 to 2 A	
		3			



# E36200 Series: Autoranging Power Supplies

The Keysight E36200 Series autoranging bench power supply can power devices that typically require higher-output power supplies with larger watt ratings. A single-output E36200 Series can power devices requiring up to 200 W, while a dual-output supply provides two independent 200 W outputs that can combine into a single 400 W output. Three technologies generate higher current at more voltages: autoranging, auto-series, and auto-parallel. All four models use autoranging outputs to provide maximum current at all voltages. Auto-series and auto-parallel internally combine the outputs of the dual-output models, creating a single 400 W output. Power devices with up to 40 A (Keysight E36233A) or voltage up to 120 V (Keysight E36234A) using auto-parallel or auto-series.

- autoranging power supplies produce more current at all voltages
- auto-parallel combines outputs for higher current up to 40 A
- auto-series combines outputs for higher voltage up to 120 V
- variable slew rate controls inrush current
- overvoltage, overcurrent, and overtemperature provide device protection
- ripple and noise < 350  $\mu$ Vrms provide low noise output
- four-wire sense improves load regulation
- the built-in data logger measures power over time
- USB, LAN (LXI Core), and optional GPIB simplify connectivity



# E36200 Series

Model	Power	Outputs	DC output rating (0 to 40 °C)		
E36231A	200 W	1	0 to 30 V	0 to 20 A	<a href="#">Get a Quote &gt;</a>
E36232A	200 W	1	0 to 60 V	0 to 10 A	<a href="#">Get a Quote &gt;</a>
E36233A	400 W	1	0 to 30 V	0 to 20 A	<a href="#">Get a Quote &gt;</a>
		2			
E36234A	400 W	1	0 to 60 V	0 to 10 A	<a href="#">Get a Quote &gt;</a>
		2			



E36200 SERIES

# EDU36311A Triple-Output Bench Power Supply

The Keysight EDU36311A triple-output DC bench power supply comes with a robust design and usability at an affordable price. Its 90 W electrically isolated channels supply clean and reliable power. The 7-inch color wide video graphics array (WVGA) display gives you a clear view — from instrument setup to the output status. You can easily control the E36311A triple-output DC bench power supply remotely via USB or LAN. This solution includes Keysight's PathWave BenchVue power supply application software for the PC.

- low output ripple and noise
- low acoustic noise
- excellent programming / readback accuracy
- exceptional line / load regulation
- superior overvoltage, overcurrent, and overtemperature protection
- three independent power supplies in one box



EDU36311A



# EDU36311A

Model	Output	Voltage	Current	Power
EDU36311A	1	0 to 6 V	0 to 5 A	90 W
	2	0 to 30 V	0 to 1 A	90 W
	3	0 to 30 V	0 to 1 A	90 W

[Get a Quote >](#)



## For more information

See Keysight’s Complete Offering of DC Power Supplies at <https://www.keysight.com/us/en/products/dc-power-supplies.html>



Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at [www.keysight.com](http://www.keysight.com).

This information is subject to change without notice.  
© Keysight Technologies, 2018 – 2023, Published in USA, March 16, 2023, 7120-1256.EN