E36441A Autoranging Bench Power Supply

Power Your Next Insight

For more than 50 years, Keysight DC power supplies have been changing the way engineers prove their design, understand the issues, and ensure product quality. On the bench, the four-output E36441A series is ready for your application. With accurate voltage / current measurement and device protection layers, you can test with confidence—and power your next insight.



Figure 1. Keysight E36441A Autoranging Bench Power Supply

Optional accessories

E364RMK	Rack mount kit

E36441A				
Performance specifications	**400 W**			
Channel	1	2	3	4
DC output Rating (0 to 40 °C)	0 to 32 V 0 to 10 A	0 to 32 V 0 to10 V	0 to 32 V 0 to10 V	0 to 32 V 0 to10 V
Load regulation (0 to 40 ºC) ± (% of output + offset)				
Voltage	< 0.01% + 2 mV			
Current (nominal)	< 0.2% + 10 mA			
Line regulation (0 to 40 ºC) ± (% of output + offset)				
Voltage	< 0.01% + 2 mV			
Current (nominal)	< 0.2% + 10 mA			
Output ripple and noise (20 Hz to 20 MHz)				
Normal mode voltage, Vpp (nominal)	< 5 mV			
Output ripple and noise (20 Hz to 10 MHz)				
Normal mode voltage, Vrms (nominal)	< 1 mV			
Accuracy 12 months (23 ºC ± 5 ºC) Programming accuracy ± (% of output + offset)				
Voltage	0.05% + 5 mV			
Current (nominal)	0.1% + 5 mA			
Readback accuracy ± (% of output + offset)				
Voltage	0.05% + 5 mV			
Current (nominal)	0.1% + 2 mA			
Load transient recovery time (Time to recover within the settling band following a load change from 50% to 100%; and from 100% to 50% of full load)				
Voltage settling band	15 mV			
Time	< 55 uS			
Remote sense (maximum voltage in load lead)	0.7V			
Up/Down programming settling time to within 1% of the total excursion				
Up full load	80 ms			
Up no load	80 ms			
Down full load	60 ms			
Down no load	500 ms			

1. All specifications are not applicable during Auto Series/Parallel mode.
2. Accuracy specifications are after 1 hour warm up with no load and calibrated at 23 ºC ± 5 ºC.
1. This specification may degrade when the unit is subjected to an RF field ≥ 3 V/meter.

More Information: www.keysight.com/find/E36441A

Power Your Next Insight

Flexible and reliable power

- Four outputs – 160 W/32 V/10 A per channel, a total of 400 W
- Low output ripple and noise
- Accurate programming/readback capability
- Fast transient response, command processing, and up/down program speed
- 2-wire or 4-wire remote sense
- Over voltage, over current, and over temperature protection

Intuitive and easy-to-use interface

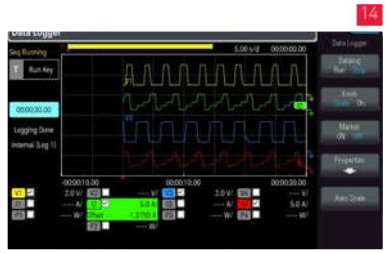
- 7-inch LCD color display
- Numerical keypad for precise output setting
- Color-coded channels
- Individual knobs for voltage and current

More productivity features

- Built-in datalogger, output sequencing, LIST mode, output tracking, and adjustable voltage slew rate
- Front and rear output terminals
- Standard LAN and USB connectivity
- PathWave BenchVue Power Supply Application Software

1. 7-inch Color display for fast, simple setup and monitoring
2. Front USB host port
3. Channel selection and voltage/current knobs
4. Simple layout function keys and keypads
5. Four DC power outputs with an individual on/off button
6. Output channels and controls are color-coded to display
7. Security lock slot
8. Rear output terminals
9. Digital I/O
10. LXI LAN and GPIB ports
11. USB communication port
12. Two switches to configure different input voltages
13. Meter view to show readback voltage, current, and power
14. Data logger
15. LIST mode
16. Track mode













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.

This information is subject to change without notice. © Keysight Technologies, 2025,
Published in USA, June 17, 2025, 3125-1247.EN

KEYSIGHT