

# Keysight E36200 Series DC Power Supplies

## Designed for Your Power-Hungry Devices

The E36200 series single and dual output power and are intended for your bench applications that require power up to 400 W. Autoranging technology provides the highest current available at all output voltage. Power devices with up to 40 A (E36233A) or voltage up to 120 V (E36234A) using auto-parallel or auto-series to internally connect the two outputs into a single output with twice the power. A single output supply can power devices requiring up to 200 W. A dual supply provides two independent 200 W channels.



Option	Description
E363GPBU	Standalone GPIB interface module
UK6	Commercial calibration with test result data
SEC	NISPOM and file security

Performance specifications	E36231A	E36232A	E36233A	E36234A
Power output	200 W	200 W	400 W	400 W
Channel	1	1	1   2	1   2
DC output rating (0 to 40 °C)	0 to 30 V	0 to 60 V	0 to 30 V	0 to 30 V
	0 to 20 A	0 to 10 A	0 to 20 A	0 to 20 A
Output ripple and noise (20 Hz to 20 MHz)				
Normal mode voltage, Vpp	< 4.5 mVpp	< 3.5 mVpp	< 4.5 mVpp	< 3.5 mVpp
Output ripple and noise (20 Hz to 10 MHz)				
Normal mode voltage, Vrms	< 350 uVrms			
Accuracy 12 months (23 °C ± 5 °C)				
Programming accuracy ± (% of output + offset)				
Voltage	0.03% +4 mV	0.03% +8 mV	0.03% +4 mV	0.03% +8 mV
Current	0.1% + 6 mA	0.1% +3 mA	0.1% + 6 mA	0.1% +3 mA
Low range current <sup>1</sup>	0.25% +160 uA	0.25% +80 uA	0.25% +160 uA	0.25% +80 uA
<b>Typical characteristic</b>				
Command processing time	< 10 ms			
Up/down programming settling time to within 1% of total excursion				
Up full load	50 msec			
Up no load	50 msec			
Down full load	30 msec			
Down no load	100 msec			
<b>Features</b>				
Low range current	Yes	Yes	Yes	Yes
Data logging	Yes	Yes	Yes	Yes
Voltage slew rate	Yes	Yes	Yes	Yes
Output LIST	Yes	Yes	Yes	Yes
Digital I/O port	Yes	Yes	Yes	Yes
Remote sensing	Yes	Yes	Yes	Yes
Outputs at front and rear	Yes	Yes	Yes	Yes
Auto series/parallel connections	No	No	Yes	Yes
Output sequencing	No	No	Yes	Yes
E3633A/E3634A code compatible	Yes	Yes	No	No
I/O interfaces	USB/LAN Opt-GPIB	USB/LAN Opt-GPIB	USB/LAN Opt-GPIB	USB/LAN Opt-GPIB

1. ≤ 100 mA for E36231A and E36233A, ≤ 50 mA for E36232A and E36234A)

[www.keysight.com/find/e36200](http://www.keysight.com/find/e36200)

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## Key Values

Useable power 200 and 400 W

- Autoranging more current at all voltage
- Auto-parallel for higher current up to 40 A
- Auto-series for higher voltage up to 120 V
- Variable voltage slew rate to control inrush current

Low noise, DUT protection and precision measurements

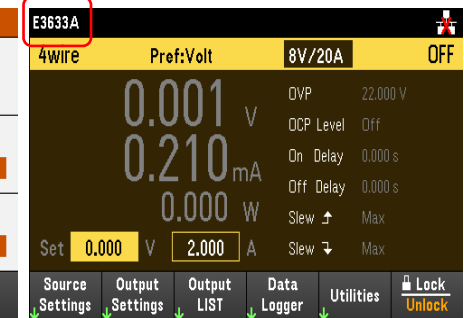
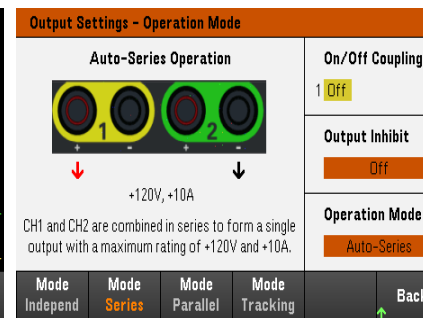
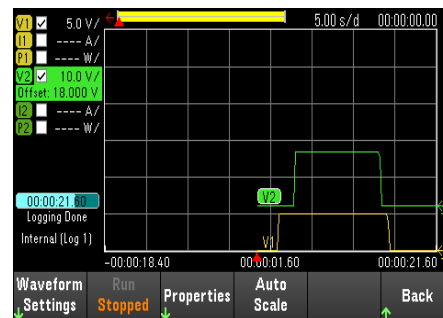
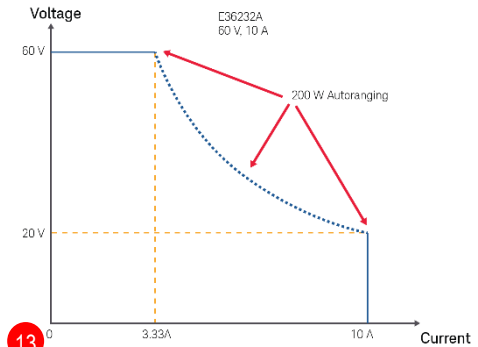
- 350  $\mu$ Vrms noise
- Over-voltage, over-current, over-temperature protection
- Local 2-wire or remote 4-wire measurements
- Low range current measurement

Fully programmable power supply

- USB, LAN, Digital I/O and optional GPIB
- BenchVue PS application
- E36233A/E36234A code compatible

Advanced features

- Data logger
- Output LIST
- Sequence outputs



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1. Front USB host port
2. Color display shows readback voltage, current and power for fast, simple setup and monitoring
3. Channel selection and voltage/ current knobs
4. Simple layout function keys and keypads
5. Two DC power outputs with individual on/off button (E36233A and E36234A only)
6. Output channels and controls are color-coded to display
7. Security lock slot
8. Rear output terminals
9. GPIB port
10. USB communication port
11. LXI LAN port
12. Digital I/O
13. Autoranging technology
14. Data logger
15. Auto series/parallel mode setting
16. E3633A (E36231A) and E3634A (E36232A) code compatible

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