

# Keysight E36300 Series DC Power Supplies

## 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 triple output E36300 series is ready for your application. With low output ripple/noise and accurate voltage/current measurement, you can test with confidence—and power your next insight.



## Get More for Less

More confident to power your design

- Excellent programming/readback accuracy
- Low output ripple and noise
- Excellent Line/load regulation: 0.01%
- Fast transient response time: < 50  $\mu$ s
- Small current measurement: 80  $\mu$ A

More productive with intuitive and easy-to-use front panel

- 4.3-inch color LCD display
- Color-coded channels
- Individual knobs for voltage and current
- LAN (LXI), USB and GPIB
- Digital I/O port
- Individual on/off on all channels
- Electrically isolated channels
- Front and rear output terminals

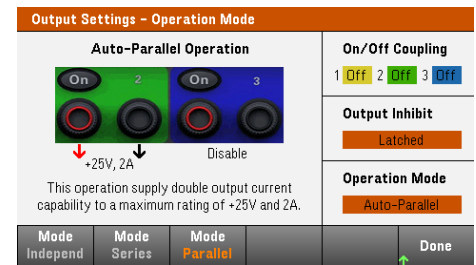
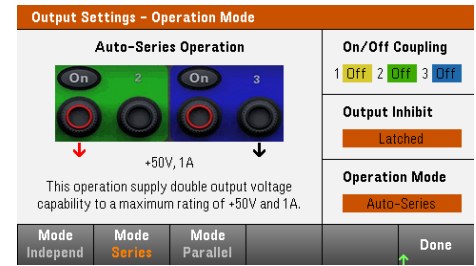
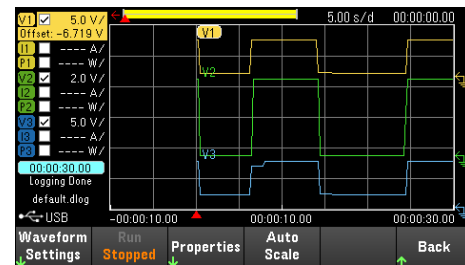
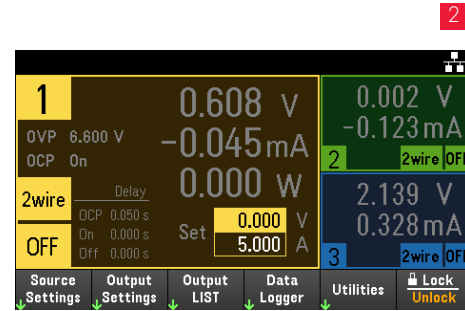
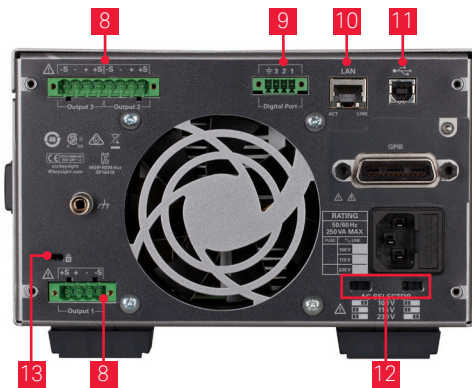
More features

- Data logging
- Output sequencing
- Output LIST
- Auto series/parallel connections
- 2-wire or 4-wire remote sense
- Over voltage, over current and over temp protection

Performance specifications	E36311A 80 W			E36312A 80 W			E36313A 160 W		
	1	2	3	1	2	3	1	2	3
DC output Rating (0 to 40 °C)	0 to 6 V	0 to +25 V	0 to -25 V	0 to 6 V	0 to 25 V	0 to 25 V	0 to 6 V	0 to 25 V	0 to 25 V
	0 to 5 A	0 to 1 A	0 to 1 A	0 to 5 A	0 to 1 A	0 to 1 A	0 to 10 A	0 to 2 A	0 to 2 A
Output ripple and noise (20 Hz to 20 MHz)									
Normal mode voltage	< 350 $\mu$ Vrms/2mVpp			< 350 $\mu$ Vrms/2 mVpp			< 350 $\mu$ Vrms/ 2 mVpp	< 1 mVrms/ 5 mVpp	
Accuracy 12 months (25 °C + 5 °C)									
Programming accuracy $\pm$ (% of output + offset)									
Voltage	0.1% + 5 mV	0.05% + 20 mV	0.03% + 2 mV	0.03% + 5 mV	0.03% + 3 mV	0.03% + 5 mV	0.03% + 5 mV		
Current	0.1% + 10 mA	0.1% + 4 mA	0.04% + 3 mA	0.04% + 2 mA	0.05% + 4 mA	0.04% + 3 mA	0.04% + 3 mA		
Readback accuracy $\pm$ (% of output + offset)									
Voltage	0.1% + 5 mV	0.05% + 10 mV	0.04% + 2mV	0.04% + 5 mV	0.04% + 3mV	0.04% + 5 mV	0.03% + 5 mV		
Current	0.1% + 10 mA	0.1% + 4 mA	0.04% + 3mA	0.04% + 3 mA	0.05% + 5 mA	0.04% + 3 mA	0.04% + 3 mA		
Small current	NA			0.25% + 80 $\mu$ A			0.25% + 80 $\mu$ A		
<b>Typical characteristics</b>									
Command processing time	< 10 ms								
Up/down programming settling time to within 1% of total excursion									
Up full load	11 msec	50 msec	11 msec	50 msec	15 msec	50 msec	15 msec	50 msec	50 msec
Up no load	10 msec	20 msec	10 msec	20 msec	15 msec	20 msec	15 msec	25 msec	25 msec
Down full load	13 msec	45 msec	13 msec	45 msec	13 msec	45 msec	13 msec	45 msec	45 msec
Down no load	200 msec	400 msec	100 msec	150 msec	100 msec	150 msec	100 msec	150 msec	150 msec
I/O interfaces	USB			USB/LAN Opt-GPIB			USB/LAN Opt-GPIB		

[www.keysight.com/find/e36300](http://www.keysight.com/find/e36300)

1. Color display for fast, simple setup and monitoring
2. Meter view to show readback voltage, current and power
3. Channel selection and voltage/current knobs
4. Properly layout function keys and keypads
5. 3 DC power outputs with individual on/off button
6. Output channels and controls are color-coded to display
7. Front USB host port (E36312 and E36313A only)
8. Rear output terminals (E36312 and E36313A only)
9. Digital I/O (E36312 and E36313A only)
10. Standard LXI LAN and GPIB ports (E36312 and E36313A only)
11. USB communication port
12. Two switches to configure different input voltages
13. Security lock slot
14. Data logger
15. Auto series mode
16. Auto parallel mode



Option	Description
GPB	GPIB module
RBP	Recessed binding posts
SEC	NISPOM and file security
UK6	Commercial calibration with test result data
BV0003B	Power supply control and automation



### Three-Year Warranty

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

Keysight's committed to superior product quality and lower total cost of ownership. Keysight is the only test and measurement company with three-year warranty standard on all instruments, worldwide. And, we provide a one-year warranty on many accessories, calibration devices, systems and custom products.



### Keysight Assurance Plans

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

Up to ten years of protection and no budgetary surprises to ensure your instruments are operating to specification, so you can rely on accurate measurements.