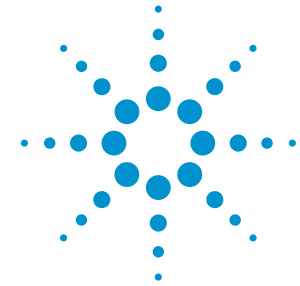


## Quick Fact Sheet

# Agilent U8030 Series Triple-Output DC Power Supply

Higher power. Better reliability. Unrivalled performance.

Agilent combined its years of knowledge and expertise to introduce the U8030 series - the only triple-output power supply in its class to offer output sequencing that can be setup and generated right from its front panel without any computer programming. This automation capability improves test efficiency by allowing you to preset output sequences for margin tests, burn-in tests and other general purpose tasks in an industrial setting. Other essential features include excellent load regulation and clean output noise. With these, you get a reliable triple-output power supply at an unbeatable performance.



## Key features

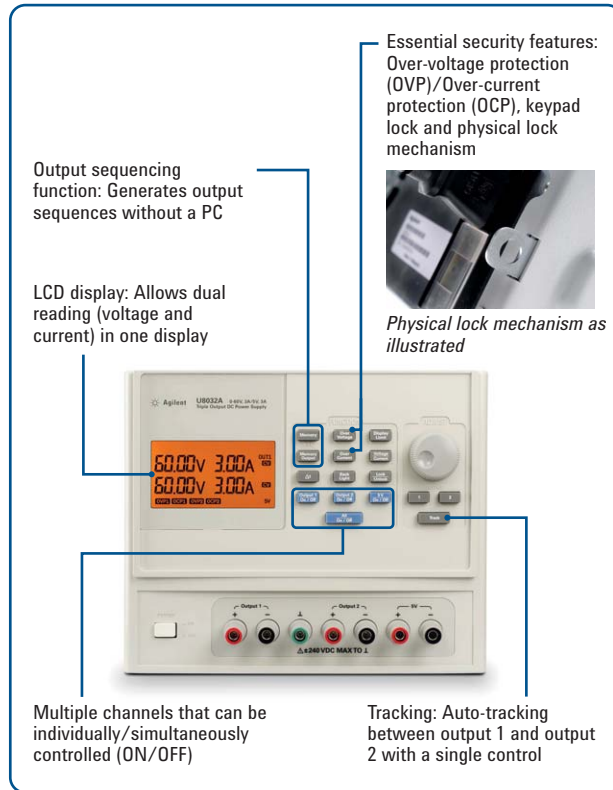
- 375 W total power for three outputs
- Output sequencing capability
- Excellent load regulation (CV:  $< 0.01\% + 2 \text{ mV}$ ; CC:  $< 0.02\% + 2 \text{ mA}$ ) ensures stable output
- Provides clean output with  $\leq 1 \text{ mVrms}$  (0.5 mVrms typical) noise
- Fast  $< 50 \mu\text{s}$  transient response for stable testing
- Dual display shows both voltage and current reading
- Over-voltage and over-current protection



## Quick Fact Sheet

# Agilent U8030 Series Triple-Output DC Power Supply

### Front panel description



### Key specifications

|  | U8001A              | U8002A              | U8031A (New)                                       | U8032A (New)                                       |
|--|---------------------|---------------------|--|--|
| Number of outputs                        | 1                   | 1                   | 3  | 3  |
| <b>DC outputs</b>                        |                     |                     |  |  |
| Voltage 1                                | 30 V                | 30 V                | 30 V   | 60 V   |
| Current 1                                | 3 A                 | 5 A                 | 6 A  | 3 A  |
| Voltage 2                                | -                   | -                   | 30 V   | 60 V   |
| Current 2                                | -                   | -                   | 6 A  | 3 A  |
| Voltage 3 (fixed)                        | -                   | -                   | 5 V  | 5 V  |
| Current 3                                | -                   | -                   | 3 A  | 3 A  |
| Power (max)                              | 90 W                | 150 W               | 375 W  | 375 W  |
| Programming accuracy                     | 0.35% + 20 mV       | 0.35% + 20 mV       | 0.25% + 15 mV                                      | 0.25% + 15 mV                                      |
| Readback accuracy                        | 0.35% + 20 mV       | 0.35% + 20 mV       | 0.25% + 10 mV                                      | 0.25% + 10 mV                                      |
| <b>Load and line regulation</b>          |                     |                     |  |  |
| Voltage                                  | 0.01% + 2 mV        | 0.01% + 2 mV        | 0.01% + 2 mV                                       | 0.01% + 2 mV                                       |
| Current                                  | 0.02% + 2 mA        | 0.02% + 2 mA        | 0.02% + 2 mA                                       | 0.02% + 2 mA                                       |
| Ripple and noise (20 Hz to 20 MHz)       | < 1 mVrms, 12 mVp-p | < 1 mVrms, 12 mVp-p | < 1 mVrms, 10 mVp-p (< 0.5 mVrms, 5 mVp-p typical) | < 1 mVrms, 10 mVp-p (< 0.5 mVrms, 5 mVp-p typical) |
| <b>Meter resolution</b>                  |                     |                     |  |  |
| Voltage                                  | 10 mV               | 10 mV               | 10 mV  | 10 mV  |
| Current                                  | 10 mA               | 10 mA               | 10 mA  | 10 mA  |
| Transient response                       | < 50 μs             | < 50 μs             | < 50 μs  | < 50 μs  |
| Over-voltage and over-current protection | Yes                 | Yes                 | Yes  | Yes  |
| Warranty                                 | 1 year              | 1 year              | 1 year   | 1 year   |

Power supplies come with:

Power cord, Quick Reference Guide, CD ROM (contains User Guide and Service Guide), Certificate of Calibration

### Ordering information

| Part       | Description  |
|------------|--|
| U8031A     | Triple-Output DC Power Supply 30 V/6 A (2x) & 5 V/3 A; 375 W |
| U8031A-ABA | English language user guide, printed                         |
| U8031A-ACF | Japan - Japanese user guide, printed                         |
| U8031A-UK6 | Commercial calibration with test result data                 |
| U8031A-1CM | Rackmount Kit - mounts one with blank filler panel included  |
| U8032A     | Triple-Output DC Power Supply 60 V/3 A (2x) & 5 V/3 A; 375 W |
| U8032A-ABA | English language user guide, printed                         |
| U8032A-ACF | Japan - Japanese user guide, printed                         |
| U8032A-UK6 | Commercial calibration with test result data                 |
| U8032A-1CM | Rackmount Kit - mounts one with blank filler panel included  |
| E3600A-100 | Test lead kit  |

### Recommended service options

Additional two years of Return-to-Agilent warranty  
 Additional two years of Return-to-Agilent calibrations  
 For more information go to [www.agilent.com/find/removealldoubt](http://www.agilent.com/find/removealldoubt)

