

Keysight U8000 Series Single Output, Non-programmable DC Power Supplies

More protection, more convenience – for less

The Keysight Technologies, Inc. U8000 Series extends the functionality of non-programmable power supplies with features typically found only in programmable models. With power performance of 90 W to 150 W, this series is suitable for a variety of electronics manufacturing applications. With their affordable pricing, the power supplies are also well suited for usage in educational labs.

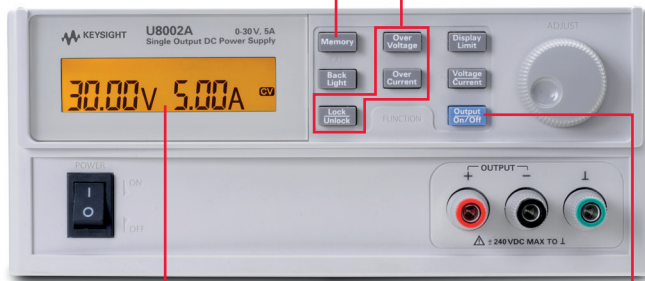


Efficient setup capability

Save/recall up to 3 memory states

Important security features

Fully integrated over-voltage, over-current protection, keypad lock, and physical lock mechanism

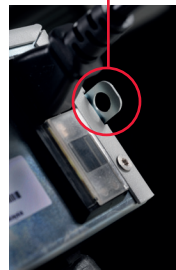


LCD display

With backlight on/off option

Output ON/OFF key

Enables or disables power output, providing extra protection to the DUT



Key features

The power supplies provide solid and reliable performance with the following features:

- Excellent load and line regulation
- (CV < 0.01% +2 mV; CC: < 0.02% +2 mA) ensure stable output even when load changes
- Fast 50 μ sec transient response reduces test times and manufacturing cost
- Low output noise of 1 mVrms, 3 mArms from 20 Hz to 20 MHz provides clean output, minimizing interference into the DUT

Specifications

Parameter	U8001A	U8002A
Output ratings (at 0 °C to 40 °C)	0 to +30 V 0 to 3 A	0 to +30 V 0 to 5 A
Line and load regulation	CV: < 0.01% +2 mV CC: < 0.02% +2 mA	
Ripple and noise (25 °C ±5 °C)	CV: 12 mVp-p < 1 mVrms CC: 3 mArms	
Load transient response time (within 15 mV from full load to half load and from half load to full load)	< 50 µs	
Programming accuracy (25 °C ± 5 °C)	< 0.35% +20 mV < 0.35% +20 mA	
Readback accuracy (25 °C ± 5 °C)	< 0.35% +20 mV < 0.35% +20 mA	
Meter resolution	Voltage: 10 mV Current: 10 mA	
Dimension (W x H x L)	88.1 mm x 212.3 mm x 394.3 mm	

Options

Part #	Description
U8001A-UK6	U8001A commercial calibration with test result data
U8001A-1CM	U8001A rack mount kit
U8002A-UK6	U8002A commercial calibration with test result data
U8002A-1CM	U8002A rack mount kit
E3600A-100	Test lead kit
U8001A-ABA	Users guide, service guide: English
U8002A-ABA	Users guide, service guide: English

Power supplies come with:

- Power cord; product reference CD-ROM; Certificate of calibration

Also available for purchase:

- Users guide, service guide (Versions: English, Traditional Chinese, Simplified Chinese, and Japanese)



Optional test lead kit

www.keysight.com/find/services

Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.