High Speed Current/Voltage Source Simplifies Electronic Circuit Final Verification/Validation/Debug

Keysight B2961A/62A 6.5 Digit Low Noise Power Source with 0.02 % basic accuracy & waveform monitor function

Convenient FG/PG¹ function provides highest accuracy and stability available (basic accuracy 0.02 %, 1 mHz -10 kHz)

Enhance validation accuracy
- Higher accuracy, higher stability and much lower noise than conventional power supplies greatly improve measurement results
- Arbitrary waveform generation (AWG) function enables you to emulate signal variations to the circuit as it switches on and off

Eliminate the need to create custom circuits for validation
- Low noise performance removes the need for an external filter circuit
- No stabilizing circuit is required
- No need to develop a circuit to source constant current

Improve test efficiency
- Voltage source's ability to monitor current eliminates need for additional meter
- No digital multimeter necessary since it can monitor its own output
- Source can be connected to the circuit output and operate as an electronic load

Various Output Modes

¹ FG: Function Generator
PG: Pulse Generator
## Key specification and characteristics

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Voltage noise (10 Hz to 20 MHz)</th>
<th>Max output</th>
<th>Min. source resolution</th>
<th>ARB</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Power</td>
<td>Voltage</td>
<td>DC current</td>
</tr>
<tr>
<td>B2961A</td>
<td>Low noise power source 1 ch</td>
<td>3 mVrms</td>
<td>31.8 W</td>
<td>± 210 V</td>
<td>± 3.03 A</td>
</tr>
<tr>
<td>B2962A</td>
<td>Low noise power source 2 ch</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B2961A with N1294A-022</td>
<td>B2961A with low noise filter option</td>
<td>350 µVrms¹</td>
<td>31.8 W</td>
<td>± 210 V</td>
<td>± 3.03 A</td>
</tr>
<tr>
<td>B2961A with N1294A-021</td>
<td>B2961A with ultra-low noise filter option</td>
<td>10 µVrms¹</td>
<td>4.4 W</td>
<td>± 42 V</td>
<td>± 0.1 A</td>
</tr>
</tbody>
</table>

¹. Supplemental characteristics

### Applications

- A/D & D/A converters
- High precision analog IC and circuitry
- RFICs and circuitry
- Voltage controlled oscillators (VCOs)
- Solar cells and the interface circuitry
- Crystal oscillators

The Keysight B2961A/62A current and voltage source is an ideal solution for validating electronic circuit performance and obtaining information that can be incorporated into a circuit's datasheet.

### To Learn More...

...please visit our website below:

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

### Keysight B2900 Precision Instrument Family

The B2960A series is a member of the B2900 Precision Instrument Family, which includes several different source and measurement solutions. Further information is available at: [www.keysight.com/find/b2900a](http://www.keysight.com/find/b2900a)

### Three-Year Warranty

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

Keysight’s commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.