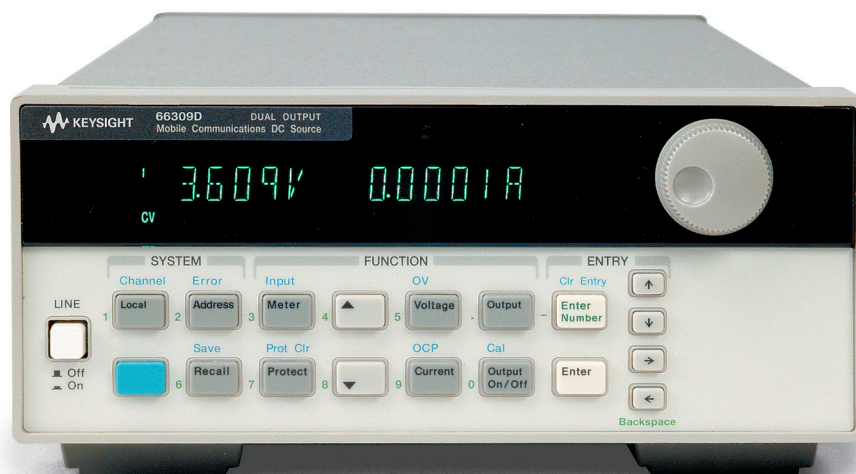


# Keysight 66300 Series Mobile Communications DC Power Sources

## Configuration Guide



## Selection table

|   | 66311B | 66309B | 66309D | 66321B | 66321D | 66319B | 66319D | 66332A |
|---|--------|--------|--------|--------|--------|--------|--------|--------|
| Fast response power technology  | •      | •      | •      | •      | •      | •      | •      |        |
| Peak current capability (up to 5 A)   | •      | •      | •      | •      | •      | •      | •      |        |
| Dynamic measurement capability<br>(talk mode, stand-by mode and off mode)<br>Measurement ranges   | 2      | 2      | 2      | 3      | 3      | 3      | 3      | 2      |
| Battery emulation capability<br>Positive R Prog (0 to 1 Ohm)<br>Negative R Prog (to - 0.040 Ohms) |        |        |        | •      | •      | •      | •      |        |
| Replace main battery and power adapter<br>(requires dual DC outputs)                              |        | •      | •      |        |        | •      | •      |        |
| Output response compensation<br>Programmable modes  | 2      | 2      | 2      | 4      | 4      | 4      | 4      | 2      |
| Electronic load capability for calibrating<br>charger circuit A/D's                               | •      | •      | •      | •      | •      | •      | •      |        |
| Remote sense for improved accuracy  | •      | •      | •      | •      | •      | •      | •      | •      |
| Auxiliary built-in DVM  |        |        | •      |        | •      |        | •      |        |
| Broken sense lead protection  | •      | •      | •      | •      | •      | •      | •      |        |
| Output disconnect relays (Option 521)   |        | •      | •      |        |        | •      | •      | •      |

## Configuration information<sup>2,3,4</sup>

### Single output models

|        |   |
|--------|---|
| 66311B | Single output DC power source   |
| 66321B | Single output DC power source with battery emulation                            |
| 66321D | Single output DC power source with battery emulation and built-in auxiliary DVM |
| 66332A | Single output DC power source   |

### Dual output models<sup>1</sup>

|        |   |
|--------|---|
| 66309B | Dual output DC power source   |
| 66309D | Dual output DC power source with built-in auxiliary DVM                       |
| 66319B | Dual output DC power source with battery emulation                            |
| 66319D | Dual output DC power source with battery emulation and built-in auxiliary DVM |

### Recommended models for

|                 |   |
|-----------------|---|
| R&D             | 66319B/D, 66321B/D, 14565A <sup>5</sup>                   |
| Manufacturing   | 66311B, 66309B/D, 66321B/D, 66319B/D                      |
| Repair Stations | 66311B, 66309B/D, 66321B/D, 66319B/D, 14565A <sup>5</sup> |

1. Dual output models recommended for replacing the main battery and power adapter/charger.
2. Battery emulation models are recommended for simulating the internal resistance of a battery. This capability is available on output 1.
3. All models include built-in GPIB interface.
4. IEEE- 488.2 SCPI command set, plug&play drivers.
5. 14565A device characterization software.

**66311B, 66309B/D, 66319B/D, 66321B/D, and 66332A**

|            |   |
|------------|---|
| Option 100 | Set AC input voltage to 100 VAC (47 to 63 Hz)                   |
| Option 120 | Set AC input voltage to 120 VAC (47 to 63 Hz)                   |
| Option 220 | Set AC input voltage to 220 VAC (47 to 63 Hz)                   |
| Option 230 | Set AC input voltage to 230 VAC (47 to 63 Hz)                   |
| Option 0B0 | Delete manual set   |
| Option 0L2 | Additional standard documentation package                       |
| Option 0B3 | Service manual (only available on 66311B, 66332A, and 66309B/D) |
| Option 8ZE | Refurbished instrument  |
| Option 8ZJ | Delete feet (if unit will be rack mounted)                      |

**66309B/D and 66319B/D**

|            |  |
|------------|--|
| Option 521 | Solid state relays for output disconnect and independent on/off output control |
|------------|--|

**66332A**

|            |   |
|------------|---|
| Option 020 | Front panel output binding posts        |
| Option 760 | Output disconnect relays                |
| Option 1CP | Rack flange kit with handles for 66332A |

**Rack mounting**

|            |  |
|------------|--|
| Option 1CM | Rack flange kit without handles  |
| Option ASX | Rack kit for mounting 2 units side-by-side (except 66332A)   |
| Option 1CP | Rack flange kit with handles for 66332A only   |
|            | Rack mount with slides for two side-by-side units of different depths<br>(Order 5062-3996 and 1494-0015) |
|            | Rack mount for two side-by-side units of different depths (Order 5062-3996)                              |
|            | Rack mount with slide for one unit (Order 5062-3996, 1494-0015, 5062-4022)                               |
|            | Note: Support rails, E3663A, are required when rack mounting units in Keysight rack cabinets             |

**Equivalent Keysight part numbers**

|            |                         |
|------------|-------------------------|
| Option 1CM | 5062-3972               |
| Option ASX | 5061-9694 and 5062-3974 |
| Option 1CP | 5062-3975               |

**Hardware support option**

|            |   |
|------------|---|
| Option UK6 | Commercial calibration certificate with test data |
| Option W32 | 3-year customer return calibration service        |
| Option W34 | Commercial calibration certificate with test data |
| Option 1BN | Mil std 45662A calibration                        |
| Option A6J | Mil std 45662A calibration plus test data         |

**Accessories**

|        |                                  |
|--------|----------------------------------|
| 14565A | Device characterization software |
| 10833A | 1 Meter GPIB cable               |
| 10833B | 2 Meter GPIB cable               |
| 10833C | 3 Meter GPIB cable               |
| 10833D | 0.5 Meter GPIB cable             |

**myKeysight**

myKeysight

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

A personalized view into the information most relevant to you.

**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.

**Keysight Assurance Plans**

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

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

[www.keysight.com/go/quality](http://www.keysight.com/go/quality)

Keysight Technologies, Inc.

DEKRA Certified ISO 9001:2008

Quality Management System

**Keysight Channel Partners**

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

Get the best of both worlds: Keysight's measurement expertise and product breadth, combined with channel partner convenience.



For more information on Keysight Technologies' products, applications or services, please contact your local Keysight office. The complete list is available at: [www.keysight.com/find/contactus](http://www.keysight.com/find/contactus)

**Americas**

|               |                  |
|---------------|------------------|
| Canada        | (877) 894 4414   |
| Brazil        | 55 11 3351 7010  |
| Mexico        | 001 800 254 2440 |
| United States | (800) 829 4444   |

**Asia Pacific**

|                    |                |
|--------------------|----------------|
| Australia          | 1 800 629 485  |
| China              | 800 810 0189   |
| Hong Kong          | 800 938 693    |
| India              | 1 800 112 929  |
| Japan              | 0120 (421) 345 |
| Korea              | 080 769 0800   |
| Malaysia           | 1 800 888 848  |
| Singapore          | 1 800 375 8100 |
| Taiwan             | 0800 047 866   |
| Other AP Countries | (65) 6375 8100 |

**Europe & Middle East**

|                |               |
|----------------|---------------|
| Austria        | 0800 001122   |
| Belgium        | 0800 58580    |
| Finland        | 0800 523252   |
| France         | 0805 980333   |
| Germany        | 0800 6270999  |
| Ireland        | 1800 832700   |
| Israel         | 1 809 343051  |
| Italy          | 800 599100    |
| Luxembourg     | +32 800 58580 |
| Netherlands    | 0800 0233200  |
| Russia         | 8800 5009286  |
| Spain          | 800 000154    |
| Sweden         | 0200 882255   |
| Switzerland    | 0800 805353   |
|                | Opt. 1 (DE)   |
|                | Opt. 2 (FR)   |
|                | Opt. 3 (IT)   |
| United Kingdom | 0800 0260637  |

For other unlisted countries:  
[www.keysight.com/find/contactus](http://www.keysight.com/find/contactus)  
 (BP-09-23-14)