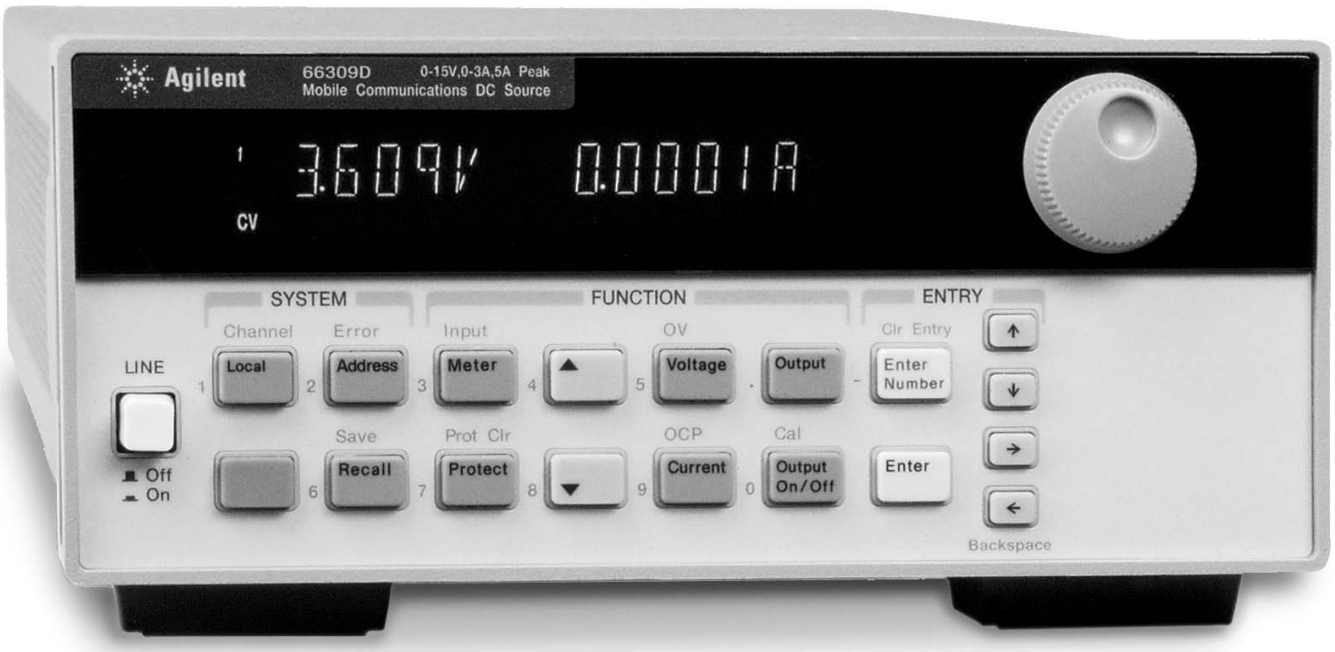
Agilent 66300 Series Mobile Communications dc Power Sources

Configuration Guide



Agilent Technologies

Selection table

	66311B	66311D	66309B	66309D	66321B	66321D	66319B	66319D	66332A
Fast response power technology	•	•	•	•	•	•	•	•	
Peak current capability (up to 5 A)	•	•	•	•	•	•	•	•	
Dynamic measurement capability (talk mode, stand-by mode and off mode) Measurement ranges	2	2	2	2	3	3	3	3	2
Battery emulation capability Positive R Prog (0 to 1 Ohm) Negative R Prog (to - 0.040 Ohms)					•	•	•	•	
Replace main battery and power adapter (requires dual dc outputs)			•	•			•	•	
Output response compensation Programmable modes	2	2	2	2	4	4	4	4	2
Electronic load capability for calibrating 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 [2,3,4]

Single output models

66311B	Single output dc power source
66311D	Single output dc power source with built-in auxiliary DVM
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[1]

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[1]
Manufacturing	66311B/D, 66309B/D, 66321B/D, 66319B/D
Repair Stations	66311B/D, 66309B/D, 66321B/D, 66319B/D, 14565A[1]

[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.

66311B/D, 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/D, 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 (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 Agilent rack cabinets

Equivalent Agilent part numbers for

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	3-year customer return standard compliance calibration service
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

[1] 14565A device characterization software

Agilent Technologies' Test and Measurement Support, Services, and Assistance
Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise
Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you receive your new Agilent equipment, we can help verify that it works properly and help with initial product operation.

Your Advantage
Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and onsite education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

Agilent Email Updates

www.agilent.com/find/emailupdates
Get the latest information on the products and applications you select.

For more assistance with your test and measurement needs or to find your local Agilent office go to: **www.agilent.com/find/assist**

For more information on Agilent Technologies' products, applications or services, please contact your local Agilent office. The complete list is available at:

www.agilent.com/find/contactus

Phone or Fax

United States:
(tel) 800 829 4444
(fax) 800 829 4433

Canada:
(tel) 877 894 4414
(fax) 905 282 6495

China:
(tel) 800 810 0189
(fax) 800 820 2816

Europe:
(tel) 31 20 547 2111

Japan:
(tel) (81) 426 56 7832
(fax) (81) 426 56 7840

Korea:
(tel) (080) 769 0800
(fax) (080)769 0900

Latin America:
(tel) (305) 269 7500

Taiwan:
(tel) 0800 047 866
(fax) 0800 286 331

Other Asia Pacific Countries:
(tel) (65) 6375 8100
(fax) (65) 6755 0042
Email: tm_ap@agilent.com

Product specifications and descriptions in this document subject to change without notice.

Windows is a U.S. registered trademark of Microsoft Corporation.

© Agilent Technologies, Inc. 2005
Printed in USA, June 27, 2005
5988-4226EN

Agilent Technologies