To buy, sell, rent or trade-in this product please click on the link below: http://www.avionteq.com/HP-Agilent-6012B-DC-Autoranging-Power-Supply.aspx

Basic DC Power Supplies essential feature

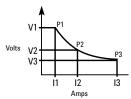




6010A, 6011A, 6012B, 6015A

Single-Output, Autoranging 200 W and 1000 W

Autoranging Output:



Autoranging outputs provide maximum power at a variety of operating voltages

Analog/resistance control of output voltage and current

Series and auto-parallel connections enable greater output flexibility

Protection features to ensure DUT safety

This series of DC power supplies
take the place of multiple power
supplies on your test bench by
providing maximum power at
a variety of operating points.
They have ten-turn front panel
pots to allow precise local control.
These power supplies also may be
connected in auto-parallel or
series with their corresponding
GPIB unit (6030 Series), as part
of a test system.

Application Notes:

10 Practical Tips You Need to Know About Your Power Products 5965-8239E

Specificat i (at 0° to 55°C unless otherwise specified)		6010A	6011A	6012B	6015A
Number of outputs		1	1	1	1
GPIB		No	No	No	No
Output ratings					
Voltage		0 to 200 V	0 to 20 V	0 to 60 V	0 to 500 V
Current		0 to 17 A	0 to 120 A	0 to 50 A	0 to 5 A
Maximum power					
Watts		1,200 W	1,064 W	1,200 W	1,050 W
Autoranging output	V1, I ₁	200 V, 5 A	20 V, 50 A	60 V, 17.5 A	500 V, 2 A
	V2, I ₂	120 V, 10 A	14 V, 76 A	40 V, 30 A	350 V, 3 A
	V3, I ₃	60 V, 17 A	7 V, 120 A	20 V, 50 A	200 V, 5 A
Ripple and noise, 20	Hz to 20 MHz				
Voltage rms		22 mV	8 mV	8 mV	50 mV
p-p		50 mV	50 mV	40 mV	160 mV
Current rms		15 mA	120 mA	25 mA	50 mA
Load regulation					
Voltage	0.01%+	5 mV	3 mV	5 mV	13 mV
Current	0.01%+	10 mA	15 mA	10 mA	35 mA
Transient response ti 10% step change	me				
Time		2 ms	2 ms	2 ms	5 ms
Level		150 mV	100 mV	100 mV	200 mV
Supplemental Cha	racteristics	(Non-warranted o useful in applying	characteristics deter 1 the product)	rmined by design th	at are
Programming resolut Voltage	tion	50 mV	5 mV	15 mV	125 mV
Current		4.25 mA	30 mA	12.5 mA	1.25 mA
DC floating voltage either terminal can be grounded or floated from chassis ground		±550 V	±240 V	±240 V	±550 V
AC input current	100 Vac	24 A	24 A	24 A	24 A
	120 Vac	24 A	24 A	24 A	24 A
	220 Vac	15 A	15 A	15 A	15 A
	240 Vac	14 A	14 A	14 A	14 A
Weight	Net	16.3 kg (36 lb)	17.2 kg (38 lb)	16.3 kg (36 lb)	16.3 kg (36 lb)
	Shipping	21.8 kg (48 lb)	22.7 kg (50 lb)	21.8 kg (48 lb)	21.8 kg (48 lb)

Single-Output, Autoranging 200 W and 1000 W (Continued)

Supplemental Characteristics for all model numbers

Remote Sensing: Up to 2 V drop in each lead. Voltage regulation specification met with up to 0.5 V drop, but degrades for greater drops.

Modulation: (analog programming of output voltage and current)

Input signal: 0 to 5 V or 0 to 4 k Ohms Regulatory Compliance: Certified to

CSA556B; conforms to IEC 61010-1. **Size:** 425.5 mm W x 132.6 mm H x 516.4 mm D (16.75 in x 5.25 in x 20.33 in).

Warranty: One year

Ordering Information

 Opt 120
 104 to 127 Vac, 47 to 63 Hz

 Opt 220
 191 to 233 Vac, 48 to 63 Hz

 Opt 240
 209 to 250 Vac, 48 to 63 Hz

 * Opt 908 Rack-mount Kit (p/n 5062-3977)
 * Opt 909 Rack-mount Kit with Handles. (p/n 5062-3983)

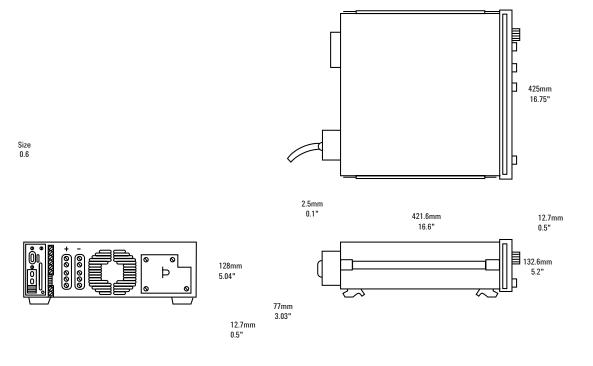
Opt OL1 Full documentation on CD-ROM, and printed standard documentation package

Opt 0L2 Extra copy of standard printed documentation package **Opt 0B0** Full documentation on CD-ROM only

Opt J01 Stabilization for loads up to 10 Henries

A line cord option must be specified, see the AC line voltage and cord section. *Support rails required

Accessories 1494-0060 Rack Slide Kit E3663AC Support rails for Agilent rack cabinets



Current

Transient response time

10% step change

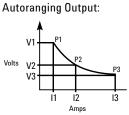


6030A, 6031A, 6032A, 6033A, 6035A, 6038A

Single-Output, Autoranging 200 W and 1000 W GPIB

Autoranging outputs provide maximum power at a variety of operating voltages

Analog/resistance control of output voltage and current Series and auto-parallel connections of multiple supplies Built-in measurements and advanced programmable features Protection features to ensure DUT safety



6038A

1

Yes

0 to 60 V

0 to 10 A

60 V, 3.3 A

40 V, 6 A

20 V, 10 A

0.035%

+40 mV

+10 mA

0.09%

3 mV

30 mV

5 mA 0.07% +50 mV

0.2% +11 mA

3 mV

0.01%+

0.01%+

0.01%+

2 mA 1 ms

5 mV

2 mV

5 mA

240 W

	Specificat (at 0° to 55°C unles: otherwise specified	S	6030A	6031A	6032A	6033A	6035A
vatt and 1000	Number of outputs		1	1	1	1	1
plies take the	GPIB		Yes	Yes	Yes	Yes	Yes
ower supplies	Output ratings						
by providing	Output Voltage		0 to 200 V	0 to 20 V	0 to 60 V	0 to 20 V	0 to 500 V
a variety of	Output Current		0 to 17 A	0 to 120 A	0 to 50 A	0 to 30 A	0 to 5 A
	Maximum power wa	itts	1,200 W	1,064 W	1,200 W	242 W	1,050 W
	Autoranging output	V1, I ₁	200 V, 5 A	20 V, 50 A	60 V, 17.5 A	20 V, 10 A	500 V, 2 A
SCPI commands drivers make easy. Using the power supplies rrough one e power supplies rical efficiency, d choice for		V2, I ₂	120 V, 10 A	14 V, 76 A	40 V, 30 A	14 V, 17.2 A	350 V, 3 A
		V3, I ₃	60 V, 17 A	7 V, 120 A	20 V, 50 A	6.7 V, 30 A	200 V, 5 A
	Programming accura at 25°C ±5°C	acy Voltage	0.035% +145 mV	0.035% +15 mV	0.035% +40 mV	0.035% +9 mV	0.25% +400 mV
		Current	0.2% +25 mA	0.25% +250 mA	0.2% +85 mA	0.15% +20 mA	0.3% +63 mA
	Ripple and noise 20 Hz to 20 MHz	Voltage rms p-p	22 mV 50 mV	8 mV 50 mV	8 mV 40 mV	3 mV 30 mV	50 mV 160 mV
		Current rms	15 mA	120 mA	25 mA	30 mA	50 mA
ower Supply	Readback accuracy at 25°C ±5°C	Voltage	0.08% +80 mV	0.08% +7 mV	0.08% +20 mV	0.07% +6 mV	0.5% +200 mV
		Current	0.36% +15 mA	0.4% +100 mA	0.36% +35 mA	0.3% +25 mA	0.5% +50 mA
	Load regulation						
	Voltage	0.01%+	5 mV	3 mV	5 mV	2 mV	40 mV
ed to Products	Current		0.01%+ 10 mA	0.01%+ 15 mA	0.01%+ 10 mA	0.01%+ 9 mA	0.03%+ 34 mA
1 1000613	Line regulation						
es	Voltage		0.01%+ 5 mV	0.01%+ 2 mV	0.01%+ 3 mV	0.01%+ 1 mV	0.03%+ 17 mV
	-						

0.01%+

5 mA

2 ms

150 mV

Time

Level

0.01%+

25 mA

100 mV

2 ms

0.01%+

10 mA

100 mV

2 ms

0.01%+

6 mA

1 ms

50 mV

0.03%+

17 mA

200 mV 7

5 ms

This series of 200 wa watt DC power supp place of multiple pow in your test system b maximum power at a operating points.

Industry standard Se and VXIPlug&Play d system integration e serial link, up to 16 can be connected th GPIB address. These have excellent electr making them a good large systems.

Application Notes:

10 Hints for Using Your Po to Decrease Test Time 5968-6359E

10 Practical Tips You Need Know About Your Power P 5965-8239E

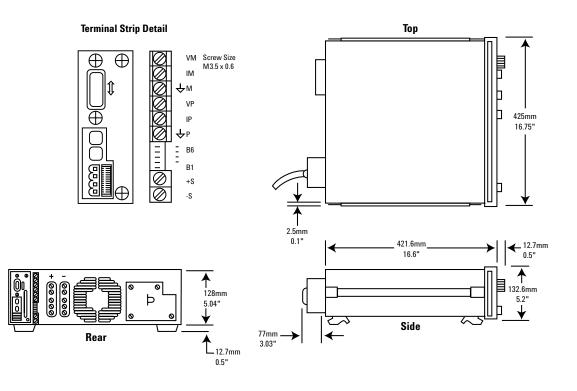
Agilent DC Power Supplie for Base Station Testing 5988-2386EN

Autoranging: 200 W and 1000 W GPIB (Continued)

Specifications	6030A	6031A	6032A	6033A	6035A	6038A
(at 0° to 55°C unless otherwise specified)						

Supplemental Cha	racteristics	(Non-warranted characteristics determined by design and useful in applying the product)					
Programming resolut	tion Voltage	50 mV	5 mV	15 mV	5 mV	125 mV 1	5 mV
	Current	4.25 mA	30 mA	12.5 mA	7.5 mA	1.25 mA	2.5 mA
DC floating voltage either terminal can be or floated from chass	0	±550 V	±240 V	±240 V	±240 V	±550 V	±240 V
AC input current	100 Vac	24 A	24 A	24 A	6 A	24 A	6 A
	120 Vac	24 A	24 A	24 A	6.5 A	24 A	6.5 A
	220 Vac	15 A	15 A	15 A	3.8 A	15 A	3.8 A
	240 Vac	14 A	14 A	14 A	3.6 A	14 A	3.6 A
Weight	Net	16.3 kg (36 lb)	17.2 kg (38 lb)	16.3 kg (36 lb)	9.6 kg (21 lb)	16.3 kg (36 lb)	9.6 kg (21 lb)
	Shipping	21.8 kg (48 lb)	22.7 kg (50 lb)	21.8 kg (48 lb)	11.4 kg (25 lb)	21.8 kg (48 lb)	11.4 kg (25 lb)

Agilent Models: 6030A, 6031A, 6032A, 6035A



More detailed specifications at www.agilent.com/find/6030

Supplemental Characteristics

for all model numbers Remote Sensing: Up to 2 V drop in each lead. Voltage regulation specification met

with up to 0.5 V drop, but degrades for greater drops. **Modulation:** (analog programming of

output voltage and current) Input signal: 0 to 5 V or 0 to 4 k Ohms

Software Driver: VXIPlug&Play

Warranty: One year

Size: 6030A-32A, 6035A: 425.5 mm W x 132.6 mm H x 503.7 mm D (16.75 in x 5.25 in x 19.83 in). 6033A, 6038A: 212.3 mm W x 177.0 mm H x 516.4 mm D (8.36 in x 6.97 in x 17.87 in).

Autoranging: 200 W and 1000 W GPIB (Continued)

Ordering Information

Opt 001 Front panel has only line switch, line indicator, and OVP adjust (6030A-33A and 6038A only)

Opt 100 87 to 106 Vac, 48 to 63 Hz (power supply output is derated to 75%)

Opt 120 104 to 127 Vac, 47 to 63 Hz

Opt 220 191 to 233 Vac, 48 to 63 Hz

Opt 240 209 to 250 Vac, 48 to 63 Hz

Opt 800 Rack-mount Kit for Two Half-rack Units Side by Side. Lock link Kit p/n 5061-9694 and 7 in Rack adapter Kit 5063-9215

- * **Opt 908** Rack-mount Kit for a Single Half-rack Unit 6033A and 6038A (with blank filler panel); p/n 5062-3960, 6030A–32A and 6035A; p/n 5062-3977
- * **Opt 909** Rack-mount Kit with Handles. For 6030A–32A, 6035A; p/n 5062-3983

Opt 0L1 Full documentation on CD-ROM, and printed standard documentation package **Opt 0L2** Extra copy of standard printed documentation package **Opt 0B3** Service Manual

Opt 0B0 Full documentation on CD-ROM only

Opt J01 Stabilization for loads up to 10 Henries (not available on 6033A)

A line cord option must be specified, see the AC line voltage and cord section. * Support rails required

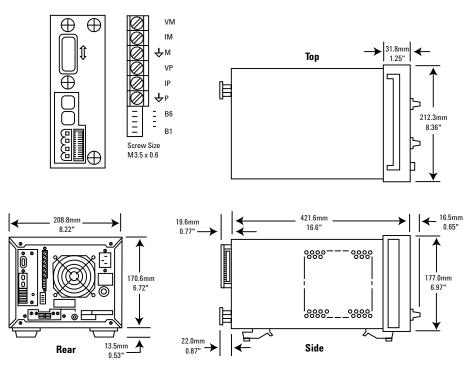
Accessories

5080-2148 Serial Link Cable, 2 m (6.6 ft)

1494-0060 Rack Slide Kit E3663AC Support rails for Agilent rack cabinets

Agilent Models: 6033A, 6038A

Terminal Strip Detail



Your Requested Excerpt from the Agilent System and Bench Instruments Catalog 2006

The preceding page(s) are an excerpt from the 2006 System and Bench Instruments Catalog. We hope that these pages supply the information that you currently need. If you would like to have further information about the extensive selection of Agilent DC power supplies, please visit www.agilent.com/find/power to print a copy of the complete catalog, or to request that a copy be sent to you. You will also find a lot of other useful information on this Web site.

In the full System and Bench Instruments Catalog, you will find that Agilent offers much more than DC power supplies. This catalog contains detailed technical and application information on digital multimeters, DC power supplies, arbitrary waveform generators, and many more instruments. If you need basic, clean, power for your lab bench, it's there. In each power product category we have also integrated the capabilities you need for a complete power solution, including extensive measurement and analysis capabilities.

Please give us a call at your local Agilent Technologies sales office, or call a regional office listed, for assistance in choosing or using Agilent power products.

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