DC Power Supply
Feature Description Index

		6030 Series Autorangers	6610 & 6630 Series Single-Output	6620 Series Multiple-Output	6620 Series Precision Multiple-Output	6640 & 6650 Series Single-Output	6670-6690 Series Single-Output	66000 Modular Power Systems	66300 Series Mobile Communications	E3630 & E3640 Series Single & Multiple-Output	N3280A Precision Multiple-Output	N5700 Series Single-Output	N6700 Series
DC Range	**Max Power**	200 W - 1000 W	40 W - 100 W	40 W & 80 W	25 W & 50 W	200 W - 500 W	2000 W - 6600 W	1200 W	40 W- 100 W	30 W - 200 W	5 W	700 W 1500 W	50 W 100W
	Max Voltage	500 V	100 V	50 V	50 V	120 V	120 V	200 V	20 V	60 V	10 V	600 V	100 V
	Max Current	120 A	10 A	10 A	2 A	50 A	875 A	16 A	5 A	20 A	0.5 A	180 A	20 A
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Configuration Features													
"One-box" solution To preserve rack space and interconnections, the voltage and current programmers, current shunt, and DVM are built-in to one package.		•	•	•	•	•	•	•	•	•	•	•	•
Modular power system (multiple reconfigurable outputs) Modules can be installed into a mainframe, and configuration can be changed at any time.								• Up to 8					• Up to 4
Multiple non-reconfigurable outputs Up to four outputs are included in one package, and they share one GPIB address.				•	•				66309 B/D 66319 B/D	•	•		
Serial link Up to 16 power supply outputs can share one GPIB address when connected with a telephone style cable.		•				•	•	•					
Relay connect, disconnect, & polarity reversal Optionally integrated with the power supply								•	• 66332A Only				• Disconnect only
Auto-parallel, auto-series, parallel, and series operation When connected in auto-parallel or auto-series, only one unit has to be programmed to take advantage of the full power from all. **AP**=auto-parallel **AS**=auto-series **S**=series **P**=parallel		S AP		S P up to 2 identical outputs	S P up to 2 identical outputs	S AP	S AP	S, P		S, P		•	•
Analog programming and monitoring ports Analog programming ports allow the power supply to be used as a power amplifier, responding to an external voltage signal. Monitoring ports allow an external DMM to monitor the power-supply outputs.		•				•	•					•	

For more detailed specifications see the product manual at **www.agilent.com/find/power**

Single-Output 750 W & 1500 W GPIB, LAN, USB (Continued)

Power Factor: 0.99 at nominal input and rated output power

Regulatory Compliance: European EMC directive 89/336/EEC for Class A products, Australian C-Tick mark, This ISM device complies with Canadian ICES-001. Cet appareil ISM est conforme à la norme NMB-001 du Canada. European Low Voltage Directive 73/23/EEC.

Size: 43.6 mm H x 422.8 mm W x 432.8 mm D (1.72 in x 16.65 in x 17.04 in), excluding connectors and handles

Weight: Net, 750 W – 7 Kg (15.4 lbs); 1500 W – 8.5 Kg (18.7 lbs)

Warranty Period: One year

Ordering Information

For N574x and N575x (750 W Models)

Opt 900 Power Cord, United Kingdom

Opt 902 Power Cord, Europe

Opt 903 Power Cord, USA, Canada

Opt 918 Power Cord, Japan

Opt 922 Power Cord, China

For N576x and N577x (1500 W Models)

Opt 861 Unterminated Power Cord, USA, Canada, China, Japan, Other

Opt 862 Harmonized Unterminated Power Cord, Europe

Accessories for all N5700 Models

N5740A Rack Mount Slide Kit (required for rack mounting; standard system II rack mounting hardware will not work).

Notes:

1 Time for output voltage to recover within 0.5% of its rated output for a load change from 10 to 90% of its rated output current. Voltage set point from 10% to 100% of rated output

2 From 5 Hz – 1 MHz, at 10% to 100% of output voltage at full load (for 6 V units from 33% to 100% of output voltage)

Specifications (at 0° to 40°C unless otherwise specified)	N5767A	N5768A	N5769A	N5770A	N5771A	N5772A
Number of Outputs	1	1	1	1	1	1
GPIB, LAN, USB	Yes	Yes	Yes	Yes	Yes	Yes
Ouput Ratings						
Voltage	60 V	80 V	100 V	150 V	300 V	600 V
Current	25 A	19 A	15 A	10 A	5 A	2.6 A
Power	1500 W	1520 W	1500 W	1500 W	1500 W	1560 W
Programming Accuracy						
Voltage 0.05%+	30 mV	40 mV	50 mV	75 mV	150 mV	300 mV
Current 0.1%+	25 mA	19 mA	15 mA	10 mA	5 mA	2.6 mA
Output Ripple and Noise						
CV p-p (Up to 20 MHz)	60 mV	80 mV	80 mV	100 mV	150 mV	300 mV
CV rms (From 5 Hz – 1 MHz)	8 mV	8 mV	8 mV	12 mV	20 mV	60 mV
Readback Accuracy						
Voltage 0.1%+	60 mV	80 mV	100 mV	150 mV	300 mV	600 mV
Current 0.1%+	75 mA	57 mA	45 mA	30 mA	15 mA	7.8 mA
Load Regulation (change from 10% to 90%)						
Voltage	8 mV	10 mV	12 mV	17 mV	32 mV	62 mV
Current	10 mA	8.8 mA	8 mA	7 mA	6 mA	5.5 mA
Line Regulation (change from 85-132 VAC input or 170-265 VAC input)						
Voltage	8 mV	10 mV	12 mV	17 mV	32 mV	62 mV
Current	4.5 mA	3.9 mA	3.5 mA	3 mA	2.5 mA	2.26 mA
Transient Response Time[1]						
Time	≤ 1 ms	≤ 1 ms	≤ 1 ms	≤ 2 ms	≤ 2 ms	≤ 2 ms

Supplemental Characteristics (Non-warranted characteristics determined by design and useful in applying the product)

Output Response Time (settle to within ±1.0% of the rated output, with a resistive load)						
Up, full load	0.08 s	0.15 s	0.15 s	0.15 s	0.15 s	0.25 s
Down, full load	0.08 s	0.15 s	0.15 s	0.15 s	0.15 s	0.30 s
Down, no load	1.1 s	1.2 s	1.5 s	2.0 s	3.0 s	4.0 s
Remote Sense Compensation						
Volts/load lead	3 V	4 V	5 V	5 V	5 V	5 V
Output Ripple and Noise[2]						
CC rms	75 mA	57 mA	45 mA	35 mA	25 mA	12 mA
Programming Resolution/ Measurement Resolution						
Voltage	7.2 mV	9.6 mV	12 mV	18 mV	36 mV	72 mV
Current	3 mA	2.28 mA	1.8 mA	1.2 mA	0.6 mA	0.312 mA

More detailed specifications at **www.agilent.com/find/N5700**