Upgrade to DP5700: Smaller, Faster, Smarter

The Next Generation of High-Density Power Supplies

The DP5700 Series programmable DC power supply delivers industry-leading power density up to 1.5 kW in ½ rack, 3.4 kW, and 5 kW in just 1U of rack space, which is 2 times more than traditional supplies. Its advanced protection features, including unique under-voltage protection, safeguard your devices while its flexible series / parallel configurations expand your test capability. With modern connectivity, intuitive front-panel control, and a removable SD card option for secure environments, the DP5700 Series is the perfect power supply for today's demanding test applications.

Why should I upgrade from the N5700 / N8700 Series?

Higher Density with ½ size of N5700 / N8700

Featured with an Arbitrary Generator for Variable Output

- Simulate real-world conditions
- Characterize device performance
- Conduct dynamic load testing

Adjustable Slew Control for Precise Output Control

- Minimize voltage spikes
- Improve load transient response
- Optimize power delivery

Optional Removable SD for Enhanced Security

- Avoid data leakage
- Enables detailed record-keeping of cleaning and sanitization processes

Programmable Internal Resistance

- Mimic series resistance with the output terminal of the power supply
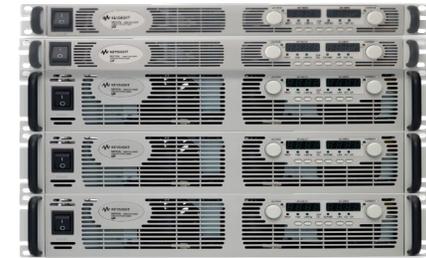- Simulate as a source with a variable resistance, such as a battery

Figure 1. Upgrade your N5700 / N8700 to the new DP5700 for smaller, faster, and smarter power supply.

Specification Comparison: N5700 / N8700 vs DP5700

Features		DP5700	N5700	N8700
Performance specifications		1.5kW / 3.4kW / 5 kW	1.5kW	3.3kW
Rack Size		1U x Half (1.5kW)	1U x Full	2U x Fall
		1U x Full (3.4kW and 5 kW)		
Output ripple and noise	CV peak-to-peak	60mV	60mV	60mV
	CV rms	7mV	8mV	8mV
Load transient recovery time		< 1ms	< 1 ms	<1ms
Voltage programming accuracy		30mV	30mV	30mV
Current programming accuracy		57mA	25mV	110mA
Voltage measurement accuracy		30mV	60mV	60mV
Current measurement accuracy		50mA	75mA	165mA
Programmable resistance		Yes	No	No
Security (SSDF & Removable Storage)		Yes	No	No
Remote Interface		LAN, USB2.0, GPIB	LAN, USB2.0, GPIB	LAN, USB2.0, GPIB
Software		Pathwave Benchvue	Pathwave Benchvue	Pathwave Benchvue
Product Rating Used		60V, 25A, 1.5kW	60V, 25A, 1.5kW	60V, 55A, 3.3kW

Figure 2. 1.5 kW model 1U ½ rack DP5700

Figure 3. 3.4 kW model 1U full rack DP5700

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