



High Power DC Power Supplies

HPS Series

Comparison Guide

Company	B&K Precision		Keysight	
Model	HPS20K800	HPS20K1500	N8935A	N8937A
				
List Price	\$16,700		\$21,903	\$22,100
Output Power	20 kW		15 kW	
Cost-per-Watt	\$0.84		\$1.46	\$1.47
Output Characteristics				
Max Output Voltage	800 V	1500 V	750 V	1500 V
Max Output Current	25 A	13.4 A	60 A	30 A
Load Regulation	Voltage	420 mV	770 mV	750 mV
	Current	33 mA	27 mA	53 mA
Ripple and Noise (20 Hz to 20 MHz)	350 mVpp / 150 mVrms	900 mVpp / 200 mVrms	800 mVpp / 200 mVrms	2400 mVpp / 400 mVrms
Rise Time at Full Load	≤ 40 ms	≤ 6 ms	≤ 30 ms	
Programming Accuracy	≤ 800 mV	≤ 1.5 V	≤ 750 mV	≤ 1.5 V
Multi-range (autorange)	-	-	✓	✓
Features				
Front Panel USB	✓		-	
Touchscreen Display	✓		-	
Master/Slave Operation	✓		✓	
Protection	OVP / OCP / OPP / key-lock		OVP / OCP / OTP / key-lock	
General				
Form Factor	3U		3U	
Command Response Time	10 ms (typical)		< 25 ms	
Standard I/O Interfaces	RS232, LAN, Analog		USBTMC, LAN (LXI), GPIB, Analog	
Warranty	3 years		3 years	