

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	375 mV	750 mV
	Current	33 mA	27 mA	90 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	