Programmable AC Power Sources
9810 Series

Comparison guide

Company		B&K Precision					Keysight	
Model		**9812**	**9814-220V**	**9801**	**9803**	**9805**	**AC6801B**	**AC6802B**
List price		**$3,100**	**$4,250**	**$2,720**	**$4,450**	**$6,900**	**$5,514***	**$7,524***
Cost per Watt		$6.20	$4.25	$9.07	$5.93	$4.60	$11.03	$7.52
Type		Linear		Linear			Switch-mode	
AC Output								
Max. Power (VA)		500 VA	1000 VA	300 VA	750 VA	1500 VA	500 VA	1000 VA
Max. Voltage (AC)		300 V		300 V			310 V	
Max. Current	RMS	4.2 A	8.4 A	3 A	6 A	12 A	5 A	10 A
	Peak	12.6 A	25.2 A	9 A	18 A	36 A	15 A	30 A
Frequency Range		45 Hz to 500 Hz		45 Hz to 500 Hz			40 Hz to 500 Hz	
Crest factor		3		3			3	
THD		≤ 0.5% at 45 Hz to 500 Hz		≤ 0.5% at 45 Hz to 500 Hz			≤ 0.5%	
Load Regulation		≤ 0.5% FS		≤ 0.5% FS			40 to 100 Hz: ± 0.15 V/± 0.3 V; > 100 Hz: ± 0.5 V/± 1 V	
Response Time		< 100 us		≤ 100 us			150 μs (typical)	
Features								
List Mode		✔		✔			-	
Dimmer Mode		✔		✔			-	
Power Line Disturbance		✔		✔			-	
DC Output		-		-			✔	
General								
Form Factor		2U		2U	3U		3U	
User interfaces		USB (VCOM) and RS232		LAN, USBTMC, RS232	LAN, USBTMC, RS232, GPIB		LAN (LXI), USBTMC, GPIB (optional), analog control (optional)	
Protections		OVP, OCP, OPP, and OTP		OVP, OCP, OPP, and OTP			OVP, OCP, OPP, and OTP	
Weight		66.1 lbs (30 kg)	88 lbs (40 kg)	20.9 lbs (9.5 kg)	88.2 lbs (40 kg)	115 lbs (52.2 kg)	17.6 lbs (8 kg)	24.3 lbs (11 kg)
Warranty		3 Years		3 Years			3 Years	

* Price shown includes list price + tariff surcharge.
Source: keysight.com

Technical data subject to change
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Prices listed as of 01-26-2026