

Programmable AC Sources 9830B Series

Company	B&K Precision				Keysight		Chroma			
Model	9832B	9833B	9832	9833	AC6803B	AC6804B	6520	6530	61504 ⁽¹⁾	61604 ⁽¹⁾
List price (base unit)	\$6,450	\$7,650	\$6,450	\$7,650	\$8,604	\$14,222	\$9,500*	\$10,350*	\$12,350*	\$7,150*
AC Power (VA)	2000	3000	2000	3000	2000	4000	2000	3000	2000	2000
Key Features										
Form factor	3U				3U	6U	5U		3U	
AC Voltage (Vrms)	150 V / 300 V				155 V / 310 V		150 V / 300 V / Auto			
AC Current (Arms)	20 A / 10 A	30 A / 15 A	20 A / 10 A	30 A / 15 A	20 A / 10 A	40 A / 20 A	20 A / 10 A	30 A / 15 A	16 A / 18 A	
Frequency Range	45 to 1200 Hz				40 to 500 Hz		15 to 2000 Hz		15 to 1000 Hz	
3-Phase capability	✓ using 3 AC sources		-		-		-		✓ using 3 AC sources	
DC, AC+DC	✓				✓		-		✓	
DC Voltage, Power	± 212 V / ± 424 V 1000 W (9832B), 1500 W (9833B)		± 212 V / ± 424 V 1000 W (9832), 1500 W (9833)		+219 V / +438 V 1600 W (AC6803B), 3200 W (AC6804B)		-		+212 V / +424 V, 1000 W	
Protection	OVP / OPP / OCP / OTP				OVP / OPP / OCP / OTP		OPP / OCP / OTP		OVP / OPP / OCP / OTP	
Measurements	Vrms, Arms, Vdc, +Apk, -Apk, inrush current, frequency, power factor, apparent power, reactive power, true power, and crest factor				Vrms, Arms, Aapk, ApkH, frequency, Vdc, Adc, power factor, apparent power, reactive power, true power		Vrms, Arms, +Apk, -Apk, inrush current, frequency, power factor, apparent power, reactive power, true power, and crest factor		Vrms, Arms, Vdc, Adc, inrush current, frequency, power factor, apparent power, reactive power, peak power, true power, and crest factor	
Analog level control interface	✓ (standard)				✓ option AC68BALGU (\$626)		✓ option A650001 (\$900*)		✓ option A615001 (\$925*)	
I/O Interfaces	USB, LAN, GPIB, RS232 standard				LAN (LXI) and USB standard, GPIB optional (\$501)		option A650001: GPIB, RS232 and analog control (\$900*)		option A615001: RS232 & GPIB (\$925*) + option A615002: LAN & USB (\$540*)	
Simulation Modes										
List mode	✓				-		✓		✓	
Sweep, vary voltage and frequency over time	✓				✓		✓		✓	
Harmonic distortion	✓				-		✓		✓	
Analog interface for custom / arbitrary waveform generation**	✓ (standard)				✓ option AC68BALGU (\$626)		-		✓ option A615001 (\$925*)	

* List price not published

** Requires an external arbitrary/function generator connected to the analog interface

⁽¹⁾ Chroma 61500 and 61600 Series also includes 4000 VA models

Keysight list prices and specifications as of 07-08-2020 on www.keysight.com