

Keysight AC6800B and 6800C Series Basic and Performance AC Power Sources

The Keysight Technologies, Inc. offers two families of AC power sources. The AC6800B series of basic AC sources offer stable, reliable power with models available up to 4000 VA. The 6800C series of performance AC sources provide a complete AC test solution with built in arbitrary waveform generator to simulate many types of power waveforms, at power levels up to 1750 VA. Both families may also be used to produce DC power, either alone or as a DC offset to an AC waveform. All models are backed with global support and the longest standard warranty in the industry.

Keysight's portfolio of AC Power



AC6800B Series Basic AC Sources



6800C Series Performance AC Sources

Keysight AC6800B Series Basic AC Sources

- Models up to 4000 VA are available to meet your basic AC source requirements
- An intuitive user interface tested over time
- Flexible IO: LAN/LXI Core and USB (standard), and GPIB (optional)
- RMS voltage up to 310 Vrms
- Remote sensing

Keysight 6800C Series Performance AC Sources/Analyzers

- Models up to 1750 VA are available to meet your performance AC source requirements
- Extensive built-in power measurement capabilities
- Flexible IO: LAN/LXI Core, USB, and GPIB
- Integrated transient waveform generation capabilities to simulate your AC environment

Product specifications

	AC6800B Series				6800C Series		
	Basic AC Sources				Performance AC Sources		
	AC6801B	AC6802B	AC6803B	AC6804B	6811C	6812C	6813C
Phases	Single-phase						
Maximum output Power	500 VA	1000 VA	2000 VA	4000 VA	375 VA	750 VA	1750 VA
AC output mode							
Voltage range	155 Vrms / 310 Vrms				300 Vrms		
Voltage setting accuracy	0.3%/0.25% full-scale				45 to 100 Hz: 0.15% + 0.3 V > 100 to 500 Hz: 0.5% + 0.3 V > 500 to 1000 Hz: 1% + 0.3 V		
Maximum rms current	5 A/2.5 A	10 A/5 A	20 A/10 A	40 A/20 A	3.25 A	6.5 A	13 A
Maximum peak current	15 A/7.5 A	30 A/15 A	60 A/30 A	120 A/60 A	40 A	40 A	80 A
Frequency	500 Hz				1 kHz		
Measurements	Voltage, current, power						
Transients & Advanced Measurements	N/A Note: Basic transient capability via Optional Analog card (AC68BALGU)				Includes pre-programmed standard waveforms and transient generation system		
DC output mode							
Voltage range	190 V/380 V				425 VA		
Max current	4 A/2 A	8 A/4 A	16 A/8 A	32 A/16 A	2.5 A	5.0 A	10.0 A
Maximum instantaneous current	12 A/6 A	24 A/12 A	48 A/24 A	96 A/48 A	40 A	40 A	80 A
Power capacity	400 W	800 W	1600 W	3200 W	285 W	575 W	1350 W
I/O							
	LAN/LXI-Core with remote web interface USB Optional: GPIB				LAN/LXI-Core with remote web interface USB GPIB		

Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to ten years of protection and no budgetary surprises to ensure your instruments are operating to specification, so you can rely on accurate measurements.



For more information on Keysight AC Power Sources, please visit:

www.keysight.com/find/ACSources

To find a distributor in your area, go to: www.keysight.com/find/distributors

Accessories and options

AC6800B Series Basic AC Sources	
Model number	Description
AC68GPBU	Upgrade user installable GPIB interface board for AC6800 Series AC sources
AC68BALGU	Upgrade user installable analog interface board for AC6800B Series AC sources
AC68BRAC3	Rack mount kit for AC6801B, AC6802B, AC6803B (flanges only)
AC68BRAC6	Rack mount kit for AC6804B (flanges only)
6800C Series Performance AC Sources	
020	Dual Power Analyzer for 6811C, 6812C, 6813C
026	26 Volt, 0.1A, auxiliary reference input for 6812C, 6813C
019	Output raised to 2000VA, frequency reduced to 100Hz for 6813C