

Keysight AC6800 and 6800B Series Basic and Performance AC Power Sources

The Keysight Technologies, Inc. offers two families of AC power sources. The AC6800 series of basic AC sources offer stable, reliable power with models available up to 4000 VA. The 6800B 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



6800B Series Performance AC Sources

AC6800 Series Basic AC Sources

Keysight 6800B 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
- IO: GPIB and RS-232
- Integrated transient waveform generation capabilities to simulate your AC environment

Keysight AC6800 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)

Product specifications

	AC6800 Series				6800B Series		
	Basic AC Sources				Performance AC Sources		
	AC6801A	AC6802A	AC6803A	AC6804A	6811B	6812B	6813B
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	135 Vrms/270 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 (AC68ALGU)				Includes pre-programmed standard waveforms and transient generation system AC source analyzer Graphical User Interface		
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				GPIB RS-232		

Accessories and options

AC6800 Series Basic AC Sources	
Model number	Description
AC68GPBU	Upgrade user installable GPIB interface board for AC6800 Series AC sources
AC68ALGU	Upgrade user installable analog interface board for AC6800 Series AC sources
AC68RAC3	Rack mount kit for AC6801A, AC6802A, AC6803A (flanges only)
AC68RAC6	Rack mount kit for AC6804A (flanges only)
6800B Series Performance AC Sources	
6811B-020	Dual Power Analyzer (provides additional power analyzer)

Three-Year Warranty

www.keysight.com/find/ThreeYearWarranty

Keysight's commitment to superior product quality and lower total cost of ownership. The only test and measurement company with three-year warranty standard on all instruments, worldwide.



Keysight Assurance Plans

www.keysight.com/find/AssurancePlans

Up to five 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