

AC6800B and 6800C Series Basic and Performance AC Power Sources

Engineer dependability into your designs with stable, reliable AC power

Test your designs with confidence, knowing that your products will perform as designed—even if they encounter fluctuating voltages from the AC power grid, extreme inrush currents, or transient spikes. Keysight's two families of AC power sources provide the capabilities you need for thorough AC testing, from basic power to more sophisticated source and measurement needs.

Both families also produce DC power, either alone or as a DC offset to an AC waveform.



AC6800B Series basic AC sources

A basic AC source alternative featuring stable and reliable power

- Four models, up to 4000 VA
- Intuitive user interface—if you've used a Keysight DC power supply, these will feel very familiar to you
- Flexible I/O: USB and LAN (standard), and GPIB (optional)
- Access and control the source remotely using a standard Web browser

6800C Series performance AC sources/analyzers

The complete AC power test solution

- Three models, up to 1750 VA
- Virtual front panel
- Extensive power measurement capabilities
- I/O: USB, LAN, GPIB and RS-232
- Built-in arbitrary waveform generator to simulate many types of power waveforms

	AC6800B Series Basic AC Sources				6800C Series 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		
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		
DC output mode							
Voltage range	219 V/438 V				425 V		
Max current	4 A/2 A	8 A/4 A	16 A/8 A	32 A/16 A	2.5 A	5 A	10 A
Max 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
Measurements and I/O							
Measurements	Voltage, current, power				Voltage, current, power		
Transients and advanced measurements	N/A Basic transient capability via optional analog card (AC68ALGU)				Includes preprogrammed standard waveforms and transient generation system AC source analyzer graphical user interface		
I/O	USB and LAN with remote Web interface Optional GPIB (AC68GPBU)				USB, LAN, GPIB and RS-232		