

Keysight Technologies

AC6800B Series Basic AC Power Sources



Engineer reliability into your designs with a new basic AC source alternative

Maximize your uptime and test your devices with confidence your products will perform as designed – even if voltage from the AC power grid is fluctuating or you are facing extreme inrush current or transient spikes.

Keysight Technologies' new AC6800B Series basic AC sources offer the quality and capability you need:

- Intuitive user interface – If you've used a Keysight DC power supply, you'll feel right at home with these AC sources.
- Flexible I/O – LAN/LXI Core and USB (standard), and GPIB (optional) you can access and control the source remotely via a standard browser.
- Low cost of ownership – backed with global support and the longest standard warranty in the industry.

Easy operation with an intuitive, time-tested user interface

Set your display to show just the information you want

Simply click through the metering options to modify the display to show your measurement priorities and increasing levels of details.

141.4V _{rms} 5.00A _{rms}					
CV	HIGH	100.0Vac	100.0Vdc	500.0Hz	Lan

See basic voltage and current measurement information

141.4V _{rms} 5.00A _{rms}					
707.0W		707.1VA		1.00PF	
CV	HIGH	100.0Vac	100.0Vdc	500.0Hz	Lan

See voltage, current and power measurement information

100.0V AC	3.53A AC	8.53Apk	707.0W
100.0V DC	3.53A DC	8.53ApkH	707.1VA
141.4V _{rms}	5.00A _{rms}	1.00PF	0.0VAR
CV	HIGH	100.0Vac	100.0Vdc
500.0Hz	Lan		

See full details of all measurement information available

If you need to generate and analyze more sophisticated waveforms or more complex transient signals, the Keysight 6800C Series AC power source/analyzers with built-in arbitrary waveform generator give you the ability to source and analyze more complex AC applications up to 1750 VA.

KEYSIGHT SERVICES

Accelerate Technology Adoption. Lower costs.

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Keysight Services helps you improve productivity and product quality with our comprehensive service offerings of one-stop calibration, repair, asset management, technology refresh, consulting, training, and more.

Choose the model that meets your AC source requirements

AC6800B series basic AC sources

	AC6801B	AC6802B	AC6803B	AC6804B
Phases	Single			

AC output mode

Maximum output power	500 VA	1000 VA	2000 VA	4000 VA
Voltage ranges (low/high range)	135 Vrms/310 Vrms			
Maximum rms current (low/high range)	5 A/2.5 A	10 A/5 A	20 A/10 A	40 A/20 A
Frequency	40 to 500 Hz			

DC output mode

Voltage ranges (low/high range)	190 V/380 V			
Maximum current (low/high range)	4 A/2 A	8 A/4 A	16 A/8 A	32 A/16 A
Power capacity	400 W	800 W	1600 W	3200 W

Measurements	Voltage, current, power, AC+DC
Transients	N/A
and advanced measurements	Note: Basic transient capability via optional analog card (Option: AC68BALGU)
I/O	LAN/LXI Core with remote Web interface
	USB
	GPIO (Option: AC68GPBU)

Accessories and options

AC6800B series basic AC sources

AC68GPBU	Upgrade user installable GPIB interface board for AC6800B 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)

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