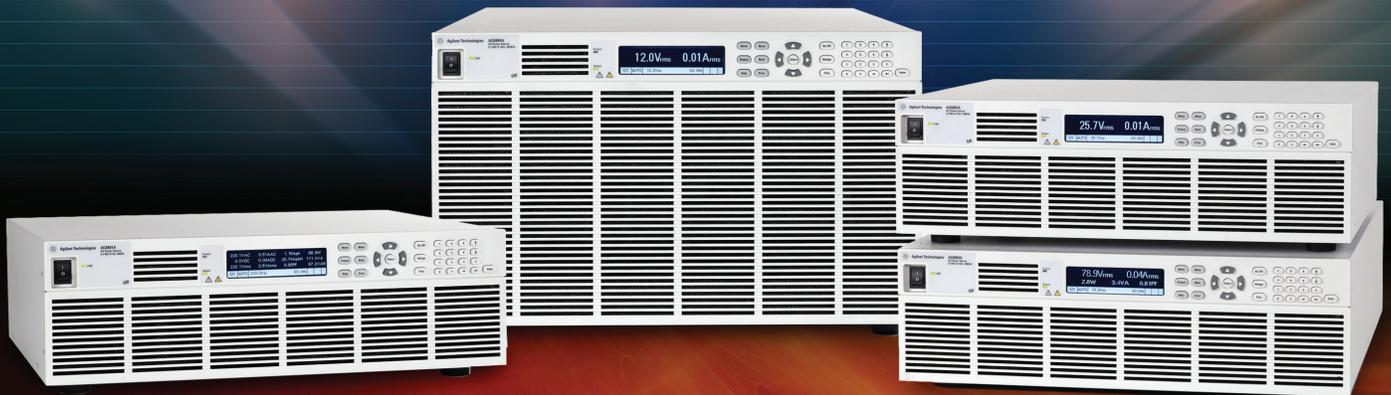


## Agilent AC6800 Series Basic AC Power Sources

# Because you can't afford downtime



*Models up to 4000 VA are available to meet your basic AC source requirements*

### 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.



Learn more at  
[www.agilent.com/find/AC6800](http://www.agilent.com/find/AC6800)

### Agilent's new AC6800 Series basic AC sources offer the quality and capability you need:

- Intuitive user interface – If you've used an Agilent 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). And 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.

Anticipate \_\_\_Accelerate \_\_\_Achieve



Agilent Technologies

# Agilent AC6800 Series Basic AC Power Sources

## 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<sub>rms</sub> 5.00A<sub>rms</sub>

CV HIGH 100.0Vac 100.0Vdc 500.0Hz Lan

See basic voltage and current measurement information

141.4V<sub>rms</sub> 5.00A<sub>rms</sub>  
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 8.53A<sub>pk</sub> 707.0W  
100.0V DC 3.53A DC 8.53A<sub>pkH</sub> 707.1VA  
141.4V<sub>rms</sub> 5.00A<sub>rms</sub> 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 Agilent 6800B 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.

See [www.agilent.com/find/ACSources](http://www.agilent.com/find/ACSources) for more information

Learn more at  
[www.agilent.com/find/AC6800](http://www.agilent.com/find/AC6800)

## Choose the model that meets your AC source requirements

| AC6800 Series Basic AC Sources       |   |          |           |           |
|--------------------------------------|---|----------|-----------|-----------|
|                                      | AC6801A   | AC6802A  | AC6803A   | AC6804A   |
| Phases                               | Single  |          |           |           |
| AC output mode                       |   |          |           |           |
| Maximum output power                 | 500 VA  | 1000 VA  | 2000 VA   | 4000 VA   |
| Voltage ranges (low/high range)      | 135 Vrms/270 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                            | 40-500 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 and advanced measurements | N/A<br>Note: Basic transient capability via optional analog card (Option: AC68ALGU) |          |           |           |
| I/O                                  | LAN/LXI Core with remote Web interface<br>USB<br>GPIB (Option: AC68GPBU)            |          |           |           |

### Accessories and options

#### AC6800 Series Basic AC Sources

|          |  |
|----------|--|
| 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)                                    |

