

Test challenges

When your avionics device uses 400 Hz power, you can't just plug it into a wall outlet to power it up. Whether you are developing or manufacturing new products for an airplane cabin or repairing existing units, you need stable, dependable AC power to your DUT, typically at a frequency of 400 Hz. You want to conserve your costly three-phase AC sources for testing devices that use all three power phases. For your single-phase devices, you need a reliable, low-cost AC source and confidence that if you need it, the manufacturer will support the product quickly, wherever you need it.

Solution

Keysight Technologies, Inc. AC6800 Series basic AC power sources offer stable, dependable power up to 500 Hz. Models up to 4000 VA are available to meet your basic AC source requirements at an affordable price. With the industry's longest standard warranty for an AC power source and global network of service centers, you can expect the lowest overall cost of ownership.

Application Brief

Supplying AC Power for Single-Phase, 400 Hz Avionics Testing

Power your cabin electronic devices during product development, manufacturing test or repair

Solution description

- AC6801B basic AC power source, 500 VA, 310 V, 2.5 A
- AC6802B basic AC power source, 1000 VA, 310 V, 5 A
- AC6803B basic AC power source, 2000 VA, 310 V, 10 A
- AC6804B basic AC power source, 4000 VA, 310 V, 20 A

Benefits from key power source features

- Low cost of ownership—backed with global support and the longest standard warranty in the industry.
- Compact form factor—make the best use of space in tight working conditions and efficiently utilize rack space.
- Intuitive user interface—If you've used an Keysight DC power supply, you'll feel right at home with these AC sources.
- Flexible I/O—USB and LAN/LXI Core (standard), GPIB (optional). And you can access and control the source remotely via a standard browser.

Resources

- Main AC sources web page URL—www.keysight.com/find/AC6800B
- Data sheet URL—<http://literature.cdn.keysight.com/5992-2387EN.pdf>

Contact

Keysight Technologies—Power and Energy Division—www.keysight.com/find/contactus



Test challenges

If you are manufacturing LED drivers, fluorescent or neon ballasts for residential or commercial applications up to 277 V AC \pm 10%, you need stable, dependable AC power to your device at 50 to 60 Hz. You need to be able to measure input voltage, input current and input power on your driver at different frequencies to make sure the power is within your specified range. You need a reliable, low-cost AC source and confidence that if you need it, the manufacturer will support the product quickly, it is located.

Solution

Keysight Technologies, Inc. AC6800 Series basic AC power sources offer stable, dependable power up to 310 V AC. Models from 500 VA to 4000 VA are available to meet your basic AC source requirements at an affordable price. With the industry's longest standard warranty for an AC power source and global network of service centers, you can expect the lowest overall cost of ownership.

Application Brief

Supplying AC Power for Testing LED Drivers up to 310 V AC

Power your lighting devices during manufacturing test with a reliable, low-cost AC source

Solution description

- AC6801B basic AC power source, 500 VA, 310 V, 2.5 A
- AC6802B basic AC power source, 1000 VA, 310 V, 5 A
- AC6803B basic AC power source, 2000 VA, 310 V, 10 A
- AC6804B basic AC power source, 4000 VA, 310 V, 20 A



Benefits from key power source features

- Low cost of ownership—backed with global support and the longest standard warranty in the industry.
- Compact form factor—make the best use of space in tight working conditions and efficiently utilize rack space.
- Intuitive user interface—If you've used an Keysight DC power supply, you'll feel right at home with these AC sources.
- Flexible I/O—USB and LAN/LXI Core (standard), GPIB (optional). And you can access and control the source remotely via a standard browser.

Resources

- Main AC sources web page URL—www.keysight.com/find/AC6800B
- Data sheet URL—<http://literature.cdn.keysight.com/5992-2387EN.pdf>

Contact

Keysight Technologies—Power & Energy Division www.keysight.com/find/contactus

Test challenges

If you are manufacturing power adapters, you need to be able to test multiple units simultaneously. To avoid compromising the fidelity of your AC source's output voltage, you need to have robust in-rush startup capability in your AC source. You need to make sure your adapters start up properly without blowing fuses, and you may need to measure input voltage, input current and input power on your adapters at different frequencies to make sure the power is within your specified range. You need stable, dependable AC power to your DUT from a little lower than 50 Hz to just over 60 Hz, depending on your location. You can't risk downtime, so you need a reliable, low-cost AC source and confidence that if you need it, the manufacturer will support the product quickly, wherever it is located.

Solution

Keysight Technologies, Inc. AC6800 Series basic AC power sources offer stable, dependable power up to 310 V AC. Models from 500 VA to 4000 VA are available to meet your basic AC source requirements at an affordable price. To measure worst-case in-rush current, you can set the AC6800 source's output to turn on at a particular phase in the voltage cycle. With the industry's longest standard warranty for an AC power source and global network of service centers, you can expect the lowest overall cost of ownership.

Application Brief

Sourcing AC Power for Power Adapter Panel Test

Power up your adapters during manufacturing test with a reliable, low-cost AC source

Solution description

- AC6801B basic AC power source, 500 VA, 310 V, 2.5 A
- AC6802B basic AC power source, 1000 VA, 310 V, 5 A
- AC6803B basic AC power source, 2000 VA, 310 V, 10 A
- AC6804B basic AC power source, 4000 VA, 310 V, 20 A

Benefits from key power source features

- Low cost of ownership—backed with global support and the longest standard warranty in the industry.
- Compact form factor—make the best use of space in tight working conditions and efficiently utilize rack space.
- Robust in-rush startup current capability
- Intuitive user interface—If you've used an Keysight DC power supply, you'll feel right at home with these AC sources.
- Flexible I/O—USB and LAN/LXI Core (standard), GPIB (optional). And you can access and control the source remotely via a standard browser.

Resources

- Main AC sources web page URL—www.keysight.com/find/AC6800B
- Data sheet URL—<http://literature.cdn.keysight.com/5992-2387EN.pdf>

Contact

Keysight Technologies—Power & Energy Division www.keysight.com/find/contactus

