



## Industry Leading Aerospace & Defense Power Test Solutions

**Innovate the way you test**, increase productivity, and reduce test schedules with Pacific Power Source's safe, flexible, scalable, and sustainable solutions. Our test solutions offer best in class performance, intelligence, and ease of use.

### Applications

- AC motors or inductive loads
- Power converters, power generators
- PDUs, auxiliary power
- EMC Immunity Testing
- AC, DC, AC + DC systems solutions available



Commercial



Military, Defense



Naval Vessels



Electric,  
E-VTOL, Drones



Ground Support, Land  
Vehicles



Space, Satellites



### Wide Frequency Range

Output frequency range from 15Hz to 1000Hz (std) or 3000Hz (option) provides flexibility to address different applications.



### Constant Power, Extra Current

Seamless testing over a wide voltage range without power interruption. Extra current at lower voltage.



### Programming Capability

Multiple control options, intuitive user interface, powerful waveform tools, and simplified set-up saves time.



### Pre-Written Avionics Test Standards

Pre-written standards test sequences for avionics testing saves time and increases productivity. Includes comprehensive documentation and reporting tools.



### Smart Design & Safety

Built-in galvanic isolation and protection limits. Continuous self-calibration. Compact and mobile-friendly cabinets.



### SmartSource Suite Control

Embedded web browser based remote control platform to easily create, modify, and run test programs.



*Founded in 1971, Pacific Power Source is an industry leading manufacturer of AC and DC power test solutions.*

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## AGX Series High Power Density All-in-1

### Compact AC & DC Power Source

This 'All-in-One' 4-quadrant test solution can address a wide range of applications and markets. It can serve as a fully programmable AC/DC power source, current source, and load.

- 350Vac L-N/606Vac L-L or  $\pm 500\text{Vdc}$
- Single, Split, and Three-Phase
- High Frequency: 15-1200Hz; Extended Range 1-3000Hz
- AC, DC, AC+DC
- Current Source Mode
- Inter-harmonics & Load Options

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**6 to 756kVA / kW**  
**up to 21kVA / kW in 4U Chassis**

Parallel up to 189kVA/kW per cabinet  
 Dual cabinets up to 252kVA/kW

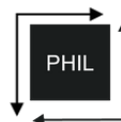
Three-Phase High Power Systems  
 available **up to 756kVA / kW**

## AZX Series All-in-1 AC & DC Power Source, Current Source, Load, + PHIL Included

This 'All-in-One' highest performance platform up to 1.1MVA / MW, is a 4-quadrant test solution that can address a wide range of applications and markets. It can serve as a fully programmable AC/DC power source, current source, load, and PHIL amplifier.

- Single, Split, and Three-Phase
- Constant Power Dual Voltage Range:
  - 0~240Vac L-N/0~415Vac L-L and 0~340Vdc
  - 0~480Vac L-N/0~830Vac L-L and 0~680Vdc
- High Frequency: 15-1000Hz; Extended Mode 1-10,000Hz
- AC, DC, AC+DC
- Current Source Mode
- AC/DC Load Mode
- Inter-harmonics Option
- Optimized for PHIL

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**30 to 1.1MVA / MW**  
 30, 45, 55kVA/kW per cabinet  
 Parallel up to 550kVA/kW

Three-Phase High Power Systems  
 available **up to 1.1MVA / MW**

## AFX Series AC & DC Power Source

Discover one of our top sellers for high-frequency power sources. Scale power up to 180kW with AC, DC, AC +DC output configurations. 85% energy efficient, dynamic, and cost-effective. Ideal for testing aerospace applications.

- Voltage: 0 up to 333Vac L-N/576Vac L-L or 425Vdc
- High Frequency: 15-1000Hz; Extended Range 1-3000Hz
- AC, DC, AC+DC
- Inter-harmonics Option
- **For 400Hz avionics facility power applications refer to the ADF Series economy AC Power Source**

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**6 to 180kVA / kW**

15kVA in 4U

Parallel up to 90kVA/kW per cabinet  
*Single, Split, and Three-Phase*

## LMX Series Linear AC Power Source

The high bandwidth of the linear amplifiers provides optimum harmonics generation and high-frequency small signal support for modulation and distortion generation tests.

- Voltage: 0 up to 600VAC; Transformer Option
- Very High Frequency: 15-5000Hz
- Low-Distortion, High Fidelity Output Waveforms
- Reproduce Oscillating Waveforms with Very Small Bandwidth

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**500VA to 30kVA / kW**

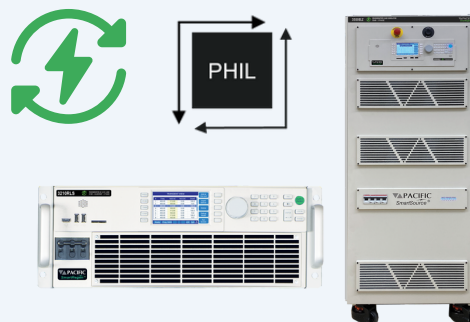
*Single, Split, and Three-Phase*

## RLS or ELZ Series AC & DC Electronic Load

Regenerative 4-quadrant load capability to simulate any linear or non-linear loads. AC and DC emulation modes include Constant Current (CC), Constant Resistance (CR), Constant Power (CP). Circuit Emulation (CE) available on ELZ Series.

- 15-1200Hz; 1-15Hz Mode (RLS Series)
- 15-1000Hz; 1-10,000Hz Mode (ELZ Series)
- AC, DC
- Inter-harmonics Option

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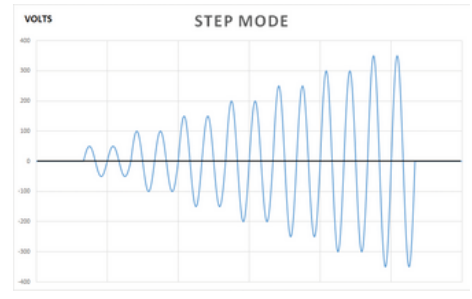
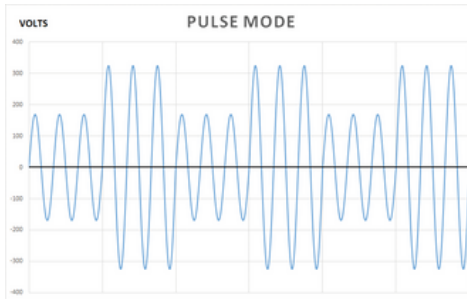
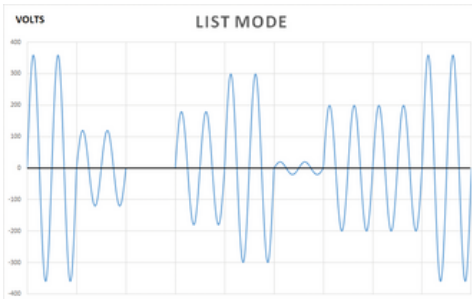


**6 to 1.1MVA / MW**

*Single, Split, and Three-Phase*

*Three-Phase High Power Systems  
up to 1.1MVA / MW*

## Powerful Programming & Measurement Capability



- Precise Output Voltage and Load Regulation
- Metering of Volts, RMS Current, Peak Current, Apparent Power & True Power on All Phases
- Harmonic Measurements
- Built-in Scope and Digitizer
- Phase Angle, Output Transient Programming
- Sine, Square, Triangle, Clipped Sine,
- Over 200+ User-Defined Arbitrary Waveforms
- Programmable Output Impedance
- Pre-written test standard sequence options

## Pre-Written Avionic Standards Test Sequences

Easily test to Avionics Standards with pre-written sequences and full documentation and reporting capabilities included.

Tests can be customized and saved. Execute sequences using our **SmartSource Suite** remote web browser control.

### Examples:

- ABD0100.1.8 - Airbus A380, AC & DC Power Groups
- ABD0100.1.8.1 - Airbus A350, AC & DC Power Groups
- AMD24C - Airbus A400M, AC & DC Power Groups
- Boeing 787B3-0147 - B787, AC & DC Power Groups
- MIL-STD704 - US DoD, AC & DC Power Groups
- MIL-STD1275E - US DoD, DC Power Groups
- RTCA-DO160 Section 16, AC & DC Power Groups

## Multiple Control Options

Easily control and operate our power units with intuitive, user-friendly control options.

- Touch-Screen Visual Panel
- Intuitive Menu and Soft-keys
- Shuttle Knob, Numeric Entry Pad
- LAN, GPIB, RS232 & USB Interfaces, CAN/CAN FD/ModBus, Analog Control
- **SmartSource Suite** – Embedded Web Server for Both LAN and USB Interface



**SmartSource Suite on any web browser**

The optimal model depends on your specific test requirements. Contact us for expert consultation.