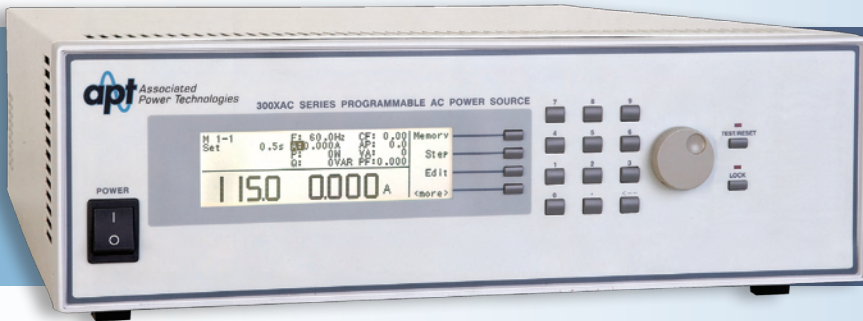


# AC Power Sources

## Manual - Automated - Modular



**NEW!**  
**300XAC Series**  
Modular AC Power Sources  
Choose from USB, Ethernet, RS-232,  
or GPIB at no extra charge!

**6000 Series**  
Automated AC Power Sources  
Choose from USB, Ethernet, RS-232,  
or GPIB at no extra charge!



**5000 Series**  
Manual AC Power Sources



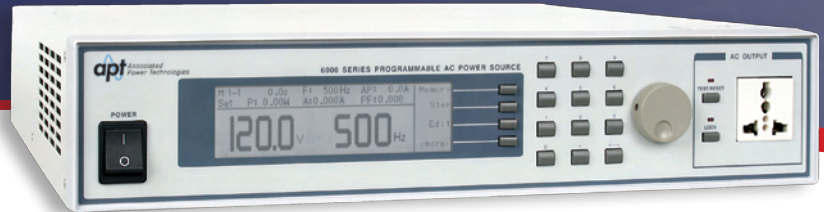
**LS Series**  
Linear AC Power Sources



**APT...The Power of Value!**

# 6000 Series

## Automated AC Power Sources



### Overview

Our 6000 Series automated AC power sources are ideal for advanced applications at a price below the competition. Switch-mode technology and a direct coupled output make these sources lightweight and efficient for use on the bench-top or in a rack mount system. The graphic LCD display provides real-time data on the front panel and the easy-to-use local interface allows operators to get tests up and running quickly.

The 6000 Series comes with your choice of an automated interface at no extra charge. Choose from USB, Ethernet, RS-232 or GPIB.

### Features

- 50 built-in memory locations with 9 test steps can be linked to quickly store and recall test parameters for multiple product testing applications
- Surge/Drop features simulate voltage variations, brownouts and transient voltage conditions
- Adjust the starting and ending angle of the output waveform
- Labview drivers available
- LCD display monitors voltage, current, frequency, peak current, power and power factor
- PLC output with Pass, Fail and Test-in-Process signals
- Adjustable delay time, ramp up time, and test duration
- Independent, adjustable high and low limits for voltage, current, frequency, power, and power factor
- Programmable output power status feature configures the output relay for quick and efficient testing
- Constant current output with over current fold back feature
- Test/Reset key quickly disables output voltage
- Front panel lockout and password protection
- Rack mount handles standard
- Standard USB/RS-232 interface with optional GPIB and Ethernet interfaces available at no extra charge
- Optional DC output capability

## ***APT...The Power of Value!***



Warranty



Guaranteed Shipment

- **Industry-leading standard 2-year warranty**
- **Guaranteed 24-hour shipment or we pay the freight**
- **48-hour turnaround on all repairs**
- **45-day return policy – no questions asked**



On All Repairs



Return Policy

# Specifications - 6000 Series

APT MODEL		6005	6010	6020	6040	
<b>INPUT</b>						
Phase		1 $\Phi$				
Voltage		115/230 VAC $\pm$ 10%		208 VAC $\pm$ 10%		
Frequency		47 – 500 Hz				
<b>OUTPUT</b>						
Voltage		0 - 300 V		5 - 300 V		
Max Power		500 VA	1 KVA	2 KVA	4 KVA	
Max Current 1 $\Phi$	0 - 150V	4.6 A @ 110 V	9.2 A @ 110 V	18.4 A @ 110 V	36.8 A @ 110 V	
	0 - 300V	2.3 A @ 220 V	4.6 A @ 220 V	9.2 A @ 220 V	18.4 A @ 220 V	
Phase		1 $\Phi$				
Frequency		40.0 - 500 Hz				
THD		<1% (Resistive Load)				
Crest Factor		$\geq$ 3				
Line Regulation		$\pm$ 0.1 V				
Load Regulation		$\pm$ (0.5% of output + 0.5 V) at Resistive Load				
<b>MEASUREMENT</b>						
Voltage	Range	0.0 - 400.0 V				
	Accuracy	$\pm$ (1% of reading + 2 counts)		$\pm$ (1% of reading + 5 counts) > 5 V		
Frequency	Range	0.0 - 500 Hz				
	Accuracy	$\pm$ 0.1 Hz				
Current (rms)	Range	0.005 A - 6.50 A	0.005 A - 13.00 A	0.05 A - 26.00 A	0.05 A - 52.00 A	
	Accuracy	$\pm$ (1% of reading + 5 counts)				
Current Peak	Range	0.0 A - 19.0 A	0.0 A - 38.0 A	0.0 A - 76.0 A	0.0 A - 152.0 A	
	Accuracy	$\pm$ (1% of reading + 5 counts)				
Power	Range	0.0 W - 650 W	0.0 W - 1300 W	0.0 W - 2600 W	0.0 W - 5200 W	
	Accuracy	L	$\pm$ (2% of reading + 15 counts)	$\pm$ (2% of reading + 30 counts)	$\pm$ (2% of reading + 5 counts)	
		H	$\pm$ (2% of reading + 5 counts)	$\pm$ (2% of reading + 10 counts)		
Power Factor	Range	0.000 - 1.000				
	Accuracy	W/VA, Calculated and displayed to three significant digits				
<b>OPTIONS</b>						
230 VAC Input	Option 1	-		Yes		
Grounded Neutral	Option 2	Yes				
GPIB Interface	Option 3	Yes				
7 Memory Recall	Option 4	Yes (Test, Reset, Recall Memory 1-7)				
Ethernet Interface	Option 6	Yes				
DC Output Voltage	Option 7	Yes				
<b>GENERAL</b>						
Rackmount Handles		Standard				
RS-232 Interface		Standard				
Lockout		Key lockout or password protection				
Efficiency		$\geq$ 80% (at Full Load)				
Operation Environment		0 - 40°C / 20 - 80% RH				
Dimensions (W x H x D mm)		430 x 89 x 400	430 x 89 x 400	430 x 89 x 500	430 x 222 x 500	
Net Weight		16.5 kg	18.2 kg	30 kg	65 kg	
<b>DC OUTPUT VOLTAGE</b>						
Voltage		0 - 400 V				
Max Power		250 W	500 W	1000 W	2000 W	
Max Current	0 - 200V	2.3 A	4.6 A	9.2 A	18.4 A	
	0 - 400V	1.5 A	2.3 A	4.6 A	9.2 A	
Ripple & Noise (rms)		0 - 200 V < 250 mV & 0 - 400 V < 400 mV		0 - 200 V < 350 mV & 0 - 400 V < 400 mV		

\*Specifications subject to change



**The Power of Value!**

## Our Promise to You



### 45-day return policy

We are so confident that you will see the benefits of an APT power source that if you are unsatisfied with your instrument for any reason, you may return it for a full refund within 45-days.



### 2-year standard warranty

All APT instruments include at no cost a standard 2-year warranty. This guarantees a new APT instrument to be free from defects in workmanship for a period of up to 2 years from the date of shipment. There are no costs to the user for this warranty and no requirements for calibration or inspection. APT is the only company in the industry to offer a 2-year warranty standard.



### 24-hour guaranteed shipping

Ordering a standard model? Every standard APT power source ships from our factory within 24-hours or we pay the freight.



### 48-hour turnaround on all repairs

If your instrument needs service for any reason, we guarantee to have it repaired and shipped out of our facility within 48-hours of receiving it.

## Changing the Way the Power Source Industry Does Business

The benefits of choosing APT only start when you purchase an instrument. We pride ourselves on providing you with the best service in the industry. When you choose APT, you're choosing a partner that will continue to help you for the life of your product, no matter what the application.

### The Latest Technology

All APT instruments utilize the latest technology and come standard with a direct-coupled output, making them light weight and rugged. Our feature-rich user interfaces are designed with the operator in mind and include built-in safety features to protect the instrument, operator, and DUT.

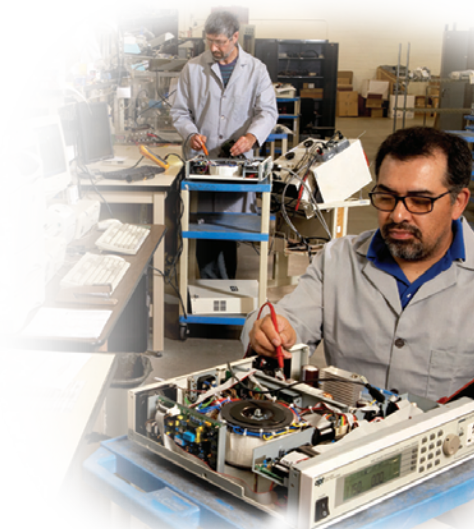
### Unparalleled Service and Support

No competitor can match our dedication to service and support. With 24-hour shipment on all standard models and 48-hour turnaround on all repairs, APT keeps your business up and running with minimal down-time.

### Redefining Value

While our competitors focus solely on performance/price ratios, we believe value doesn't stop at the point of purchase. Our products come standard with a 2-year warranty. Should you ever experience a problem with your instrument, rest assured that we back your purchase with the best service and the fastest turnaround in the industry.

***For more information  
check out our website at:  
[www.aspowertechnologies.com](http://www.aspowertechnologies.com)***



# ***APT...The Power of Value!***

*AC Power Sources for All Applications*

## **300XAC Series**

*Modular AC Power Sources*



## **6000 Series**

*Automated AC Power Sources*



## **5000 Series**

*Manual AC Power Sources*



## **LS Series**

*Linear AC Power Sources*



***To order or for more information  
Please give us a call today!  
Toll Free: +1-877-322-7693***

**apt** *Associated  
Power Technologies™*