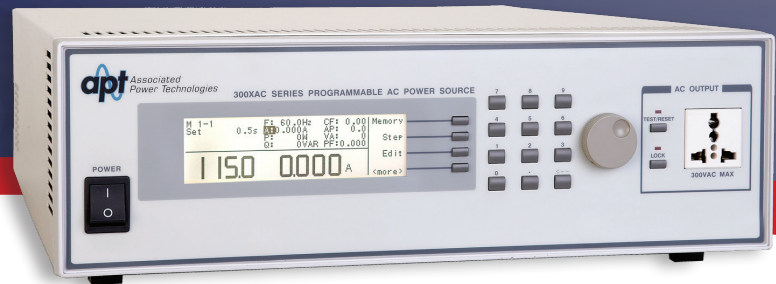


# 300XAC Series

## Modular AC Power Sources



### Overview

Our 300XAC Series of modular AC power sources incorporates the latest in modular technology, making them ideal for advanced applications. These versatile sources can be configured for 1Ø stand-alone operation or connected together for increased power output in both 1Ø and 3Ø output configurations. A power factor correction (PFC) input module, switch-mode technology and a direct coupled output make these sources light weight and efficient for use on the bench-top or in a rack mount. Use the rotary knob to adjust voltage or frequency

### Features

- Modular design allows operator to connect up to 3 instruments together for 1Ø or 3Ø applications requiring up to 18kVA of AC power
- Configure 2 sources for 1Ø/3W output voltages up to 600VAC
- Auto-configuration of master/slave instruments for easy 1Ø/3Ø setup
- 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

during testing, adjust the starting or ending phase angle of the output waveform, and simulate the effect of voltage surges and drops on your DUT for transient testing.

With 50 memory locations operators can use one instrument for a variety of testing applications without the need to change parameters before a test. The 300XAC Series can be controlled with a PC from a variety of different interfaces, including RS-232, GPIB, and Ethernet.

- Prompt feature allows operator to display instructions between test steps
- PLC output with Pass, Fail and Test-in-Process signals
- Constant current output with over current fold back feature
- Advanced metering circuits monitor single phase, phase-to-phase, and total system voltage, current, and power
- External voltage sensing for accurate metering
- DC output standard
- Standard Ethernet interface with optional RS-232, and GPIB interfaces available
- CE listed

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



Warranty

- **Industry-leading standard 2-year warranty**



Guaranteed Delivery

- **Guaranteed 24-hour delivery or we pay the freight**

48 Hour Turnaround



On All Repairs

- **48-hour turnaround on all repairs**



Return Policy

- **45-day return policy – no questions asked**

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# Specifications - 300XAC Series

APT MODEL		310XAC	320XAC	340XAC	360XAC	
<b>INPUT</b>						
Phase		1Ø			1Ø or 3Ø	
Voltage		90 -264 VAC		180 -264 VAC	180 - 457 VAC	
Frequency		47 - 63Hz				
<b>OUTPUT</b>						
Voltage		0 - 300 V		5 - 300 V		
Max Power		1 KVA	2 KVA	4 KVA	6 KVA	
Max Current 1Ø	0-150V	9.2 A @ 110 V	18.4 A @ 110 V	36.8 A @ 110 V	55.2 A @ 110 V	
	0-300V	4.6 A @ 220 V	9.2 A @ 220 V	18.4 A @ 220 V	27.6A @ 220 V	
Phase		1Ø, 2Ø, 3Ø (Parallel/Poly-Phase)				
Frequency		40.0 - 1000 Hz				
THD		<1% (Resistive Load)				
Crest Factor		Inrush CF ≥ 4 at 110 V, Continuous Current CF ≥ 3 at 110 V				
Line Regulation		± 0.1 V				
Load Regulation		± (0.5% of output + 0.5 V) at Resistive Load				
Output Noise		< 100 mVrms Low Range, < 200 mVrms High Range (RD has to verify then reply)				
<b>DC OUTPUT VOLTAGE</b>						
Voltage		0 - 400 V				
Max Power		920 W	1840 W	3680 W	5520 W	
Max Current 1Ø	0-200V	4.6 A	9.2 A	18.4 A	27.6 A	
	0-400V	2.3 A	4.6 A	9.2 A	13.8 A	
Phase		0- 200 V < 250 mV & 0 - 400 V < 400 mV		0 - 200 V < 350 mV & 0 - 400 V < 400 mV		
<b>MEASUREMENT</b>						
Voltage	Range	0.0 - 400.0 V				
	Accuracy	± (1% of reading + 2 counts)	± (1% of reading +5 counts) > 5 V			
Frequency	Range	0.0 - 1000 Hz				
	Accuracy	0.0 - 500 Hz ± 0.1 Hz, 501 - 1000Hz Accuracy ± 0.2Hz				
Current (rms)	Range	0.005 A - 13.00 A	0.005 A - 26.00 A	0.05 A - 52.00 A	0.05 A - 78.00 A	
	Accuracy	± (1% of reading + 5 counts)				
Current Peak	Range	0.0A - 38.0 A	0.0 A - 76.0 A	0.0 A - 152 A	0.0 A - 228 A	
	Accuracy	± (1% of reading + 5 counts)				
Power	Range	0.0 W - 1300 W	0.0 W - 2600 W	0 W - 5200 W	0 W - 7800 W	
	Accuracy	L	± (2% of reading + 15 counts)	± (2% of reading + 30 counts)	± (2% of reading + 5 counts )	
		H	± (2% of reading + 5 counts)	± (2% of reading + 10 counts)		
Power Apparent (VA)	Range	0.0 VA - 1300 VA	0.0 VA - 2600 VA	0 VA - 5200 VA	0 VA - 7800 VA	
	Accuracy	VxA, Calculated value				
Power Resistive (Q)	Range	0.0VAR - 1300 VAR	0.0 VAR - 2600 VAR	0 VAR - 5200 VAR	0 VAR - 7800 VAR	
	Accuracy	$\sqrt{(VA)^2 - (W)^2}$ , Calculated value				
Power Factor	Range	0.000 - 1.000				
	Accuracy	W/VA, Calculated and displayed to three significant digits				
Crest Factor	Range	0 to 9.9				
	Accuracy	Apeak / Arms, Calculated and displayed to two significant digits				
<b>OPTIONS</b>						
Computer Interfaces		GPIB, RS-232, USB, Ethernet (Standard)				
7 Memory Recall		Yes (Test, Reset, Recall Memory 1-7)				
Grounded Neutral		Yes				
<b>GENERAL</b>						
Operation Environment		0 - 40°C / 20 - 80% RH				
Dimensions (W x H x D mm)		430 x 133.5 x 530	430 x 133.5 x 530	430 x 267x 500	430 x 400.5 x 500	
Net Weight		20 kg	21 kg	50 kg	53 kg	