### **APS 1000 Series**



# There's a better solution... at a better price.

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Key Features & Specifications for the APS 1000 Series

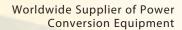
- Output Power: 10 kVA or 20 kVA
- Output Frequency: 45-500 Hz (also available: 360-440 Hz)
- Output Voltage: Dual range, 0/150 V or 0/300 V, 1 phase
  Optional 300V/600V<sub>LN</sub> ranges available on
  most models
- Isolated Output, THD: < 1%</li>
- Input Requirements: 208, 220, 240, 380, 415, 480 VAC ± 10%, 3 phase, 47-63 Hz (3kVA and 5kVA, 230VAC ± 15%, 1 phase)
- Intuitive Front Panel Controls: Frequency and Voltage
- Easy to Read LED Displays: Frequency, Voltage, Current, Power and Power Factor
- Memory Locations: Can save three desired settings of any voltage, frequency and current limit output parameters

#### The APS 1000 Series frequency and voltage converters are economically priced and offer top of the line performance.

The series consists of three 1 phase output instruments available at 10 kVA and 20 kVA. The converters allow the user to duplicate a utility grid of either 50 or 60 hertz for export product testing or operation of imported equipment. The frequency can be adjusted to 400 hertz for applications such as the testing of military/avionics equipment or for the operation of 400 hertz electronics that are onboard an aircraft or a military vessel. The adjustable frequency band of 45 to 500 Hertz in conjunction with the dual voltage ranges of 0-150 volts or 0-300 volts provides full capabilities for testing and operating electronics worldwide.

Setup and operation of the APS 1000 Series is exceptionally easy. The simple front panel layout allows users to continuously vary voltage and frequency or to select preset standard frequency settings. Individual meter displays provide digital readouts for frequency, voltage and current while a digital multimeter displays power or power factor.

The APS 1000 Series converters are a simple and cost effective solution for all of your AC power conversion needs!





Toll Free 1-888-239-1619 www.adaptivepower.com

## **APS 1000 Series**

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Output circuit breaker -Output connections -

Cooling fans –

Input connections

Casters

Input circuit breaker

#### Instrument Specifications

MODEL		1010	1020	
INPUT SPECIFICA		1010	1020	
Phases		20 / 2W/ + ground		
Voltage		3Ø / 3W + ground 208V, 220V, 240V (3W+G), 380V, 415V, 480V (4W+G) ±10%		
Frequency		208V, 220V, 240V (3W+G), 380V, 415V, 480V (4W+G) ±10% 47-63Hz		
	CATIONS	-7-0		
Power Rating	Total Power	10 kVA	20 kVA	
Max Current	150V Range	84.0 A	168.0 A	
	300V Range	42.0 A	84.0 A	
Phases				
Low Range		1Ø / 3 Wire (L, N, Gnd) 0 - 150 V		
	High Range	0 - 300 V		
Voltage	Option 600	300V/600V Ranges available on 10KVA to 60KVA models - Option 600		
	Resolution	0.1 V		
	Accuracy	$\pm (1.0\% + 0.2 \text{ V})$		
Range		Standard models: 45-500 Hz, Also available as -400 version for 360-440Hz applications only		
Frequency	Resolution	0.1 Hz at 45 - 99.9 Hz, 1 Hz at 100 - 500 Hz		
riequency	Accuracy	± 0.2%		
Harmonic Distortion		$\leq 1\%$ (Resistance Load )		
Crest Factor		≥ 3 to 1		
Load Regulation		± 0.5%		
Protection		Over Current, Short Circuit, Over Temperature		
Efficiency		≥ 85% ( at full load )		
ENVIRONMENTA	L			
Operating Temperature		32° - 104° F / 0° - 40° C		
Relative Humidity		80%, non-condensing		
Altitude		Below 6500 feet / 2000 m		
DISPLAYS AND C	ONTROLS			
4 Digit LED Meters		Frequency, Voltage, Current, Power or Power Factor ( simultaneously )		
PLC Remote Interface		Run Programs P1, P2, P3, and Output On/Off		
Memory		8 Memory Locations for Voltage, Frequency, Test Time, Delay Time, Current, Power and PF Limits		
Calibration		Front Panel Calibration		
Interface (Optional)		GPIB (Option 606) or RS-232 & USB (Option 643) - Requires Option (P)-PRC		
Auto Voltage Adjust		Enables improved voltage regulation within $\pm$ 0.1 V		
MECHANICAL SPECIFICATIONS				
Model		1010	1020	
Dimensions	Inches	28 x 29 x 17	33 x 29 x 17	
(H x D x W)	) mm	709 x 730 x 430	839 x 730 x 430	
Weights	(Kg / lbs.)	228/503	350/772	



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