

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



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!

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_{LN} ranges available on most models
- Isolated Output, THD: < 1%
- Input Requirements: 208, 220, 240, 380, 415, 480 VAC \pm 10%, 3 phase, 47-63 Hz (3kVA and 5kVA, 230VAC \pm 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

Worldwide Supplier of Power
Conversion Equipment



APSTM
ADAPTIVE POWER SYSTEMS

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APS 1000 Series



- Cooling fans
- Input circuit breaker
- Output circuit breaker
- Output connections
- Input connections
- Casters

Instrument Specifications

MODEL		1010	1020
INPUT SPECIFICATIONS			
Phases		3Ø / 3W + ground	
Voltage		208V, 220V, 240V (3W+G), 380V, 415V, 480V (4W+G) ±10%	
Frequency		47-63Hz	
OUTPUT SPECIFICATIONS			
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		1Ø / 3 Wire (L, N, Gnd)	
Voltage	Low Range	0 - 150 V	
	High Range	0 - 300 V	
	Option 600	300V/600V Ranges available on 10KVA to 60KVA models - Option 600	
	Resolution	0.1 V	
Frequency	Accuracy	± (1.0% + 0.2 V)	
	Range	Standard models: 45-500 Hz, Also available as -400 version for 360-440Hz applications only	
	Resolution	0.1 Hz at 45 - 99.9 Hz, 1 Hz at 100 - 500 Hz	
	Accuracy	± 0.2%	
Harmonic Distortion		≤ 1% (Resistance Load)	
Crest Factor		≥ 3 to 1	
Load Regulation		± 0.5%	
Protection		Over Current, Short Circuit, Over Temperature	
Efficiency		≥ 85% (at full load)	
ENVIRONMENTAL			
Operating Temperature		32° - 104° F / 0° - 40° C	
Relative Humidity		80%, non-condensing	
Altitude		Below 6500 feet / 2000 m	
DISPLAYS AND CONTROLS			
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 ± 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		228/503	350/772



PPST Solutions, Inc. Sales Department

17711 Mitchell North, Irvine CA 92614
 Direct: 888-239-1619 • Fax: 949-756-0838
 Email: info@ppstsolutions.com
 www.adaptivepower.com www.ppstsolutions.com

