

APS 1000 Series

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



Key Features & Specifications for the APS 1000 Series

- Output Power: 3 kVA to 60 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

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

The series consists of seven 1 phase output instruments ranging in size from 3 kVA to 60 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!

Worldwide Supplier of Power
Conversion Equipment



Toll Free 1-866-517-8400 www.adaptivepower.com

APS 1000 Series



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

Instrument Specifications

MODEL		1003	1005	1010	1020	1030	1040	1060	
INPUT SPECIFICATIONS									
Phases		1Ø / 2W + ground			3Ø / 3W + ground				
Voltage		230V±15%			208V, 220V, 240V (3W+G), 380V, 415V, 480V (4W+G) ±10%				
Frequency		47-63Hz							
OUTPUT SPECIFICATIONS									
Power Rating	Total Power	3 kVA	5 kVA	10 kVA	20 kVA	30 kVA	40 kVA	60 kVA	
Max Current	150V Range	25.2 A	42.0 A	84.0 A	168.0 A	252.0 A	336.0 A	500.0 A	
	300V Range	12.6 A	21.0 A	42.0 A	84.0 A	126.0 A	168.0 A	250.0 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, or RS-232							
Auto Voltage Adjust		Enables improved voltage regulation within ± 0.1 V							
MECHANICAL SPECIFICATIONS									
Model		1003	1005	1010	1020	1030	1040	1060	
Dimensions	Inches	12 x 26 x 17		28 x 29 x 17	33 x 29 x 17	43 x 39 x 24		66 x 39 x 32	
	(H x D x W) mm	305 x 660 x 432		709 x 730 x 430	839 x 730 x 430	1079x 980 x 600		1662x980x800	
Weights		(Kg / lbs.)	95/210	125/275	228/503	350/772	592/1305	663/1462	885/1951



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