

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 seven 1 phase output instruments ranging in size from 2 kVA to 40 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:** 2 kVA to 40 kVA
- **Output Frequency:** 45-500 Hz
- **Output Voltage:** Dual range, 0/150 V or 0/300 V, 1 phase
- **Isolated Output, THD:** < 1%
- **Input Requirements:** 220, 240, 380, 415, 480 VAC \pm 10%, 3 phase, 47-63 Hz (2kVA, 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 covered in the output parameters

Worldwide
Supplier
of Power
Conversion
Equipment



APS 1000 Series



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

Instrument Specifications

MODEL	1002	1003	1005	1010	1020	1030	1040
INPUT SPECIFICATIONS							
Phase	1Ø/2W + ground			3Ø/3W + ground			
Voltage	230V±15%			220, 240, 380, 415, 480V±10%			
Frequency	47-63Hz						
OUTPUT SPECIFICATIONS							
Power rating	2kVA	3kVA	5kVA	10kVA	20kVA	30kVA	40kVA
Max Arms @ 0-150 V	16.8 A	25.2 A	42 A	84 A	168 A	252 A	336 A
Max Arms @ 0-300 V	8.4 A	12.6 A	21 A	42 A	84 A	126 A	168 A
Phase	1Ø/3W (L, N, G)						
Voltage	Low Range	0-150V					
	High Range	0-300V					
	Resolution	0.1V					
Accuracy	±(1%+0.2V)						
Frequency	Range	45-500Hz					
	Resolution	0.1Hz at 45-99.9Hz, 1Hz at 100-500Hz					
	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)						
Operating Temperature	32°-104°F, (0°-40°C), 80% Relative Humidity						
Altitude	below 6500 feet						
DISPLAYS AND CONTROLS							
4 Digital LED meters	Frequency, Voltage, Current, Power or Power Factor (simultaneously)						
PLC Remote Interface	M1, M2, M3, and Output On/Off						
Memory	3 Programmable Memory Locations for Voltage, Frequency and Current						
Calibration	Front Panel Calibration						
Auto voltage adjust	Enable for improved voltage regulation within ±0.1V						
MECHANICAL SPECIFICATIONS							
	2kVA	3kVA	5kVA	10kVA	20kVA	30kVA	40kVA
Dimensions (HxDxW) Inches	12x26x17	12x26x17	12x26x17	28x26x17	34x26x17	38x36x24	43x36x24
Weights (Kg/lbs)	60/132	65/143	80/175	200/440	315/695	465/1025	550/1210



801 Hailey Street Ardmore, OK 73401
 Direct: 949-752-8400 • Fax: 949-756-0838
 Toll Free: 1-866-517-8400
www.adaptivepower.com