

## APS 3000 Series

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



### Key Features & Specifications for the APS 3000 Series

- Output Power: 3 kVA to 180 kVA
- Output Frequency: 45-500 Hz
- Output Voltage: Dual range, 150/260 V or 300/520 V, 3 phase  
Optional 300V/600V<sub>LN</sub> ranges available
- Isolated Output, THD: < 1%
- Input Requirements: 208, 220, 240, 380, 415, 480 VAC  
± 10%, 3 phase, 47-63 Hz (3kVA and  
6kVA models require 230VAC ± 15%, 1 phase;  
90kVA through 180kVA models require 380VAC  
or higher)
- 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 3000 Series frequency and voltage converters are economically priced and offer top of the line performance.

The series consists of eight 3 phase output instruments ranging in size from 3 kVA to 180 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 line to neutral 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 3000 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.

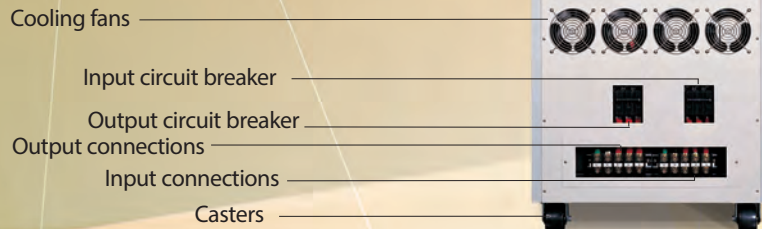
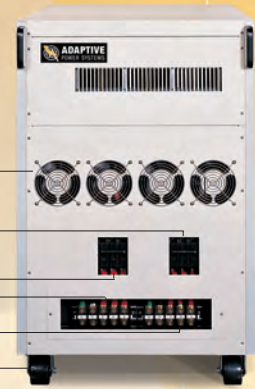
The APS 3000 Series converters are a simple and cost effective solution for all of your AC power conversion needs!

Worldwide Supplier of Power  
Conversion Equipment



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# APS 3000 Series



## Instrument Specifications

MODEL	3003	3006	3009	3015	3030	3060	3090	3120	3150	3180	
<b>INPUT SPECIFICATIONS</b>											
Phases	1Ø / 2W + ground			3Ø / 3W + ground or 3Ø / 4W + ground							
Voltage	230V±15%			208V, 220V, 240V (3W+G), 380V, 415V, 480V (4W+G) ±10%				380V, 415V, 480V (4W+G) ±10%			
Frequency	47-63Hz										
<b>OUTPUT SPECIFICATIONS</b>											
Power Rating	Total Power	3 kVA	6 kVA	9 kVA	15 kVA	30 kVA	60 kVA	90 kVA	120 kVA	150 kVA	180 kVA
	Per Phase	1 kVA	2 kVA	3 kVA	5 kVA	10 kVA	20 kVA	30 kVA	40 kVA	50 kVA	60 kVA
Max Current per Phase 150V Range	8.4 A	16.8 A	25.2 A	42 A	84 A	168 A	252 A	336 A	417 A	500 A	
Max Current per Phase 300V Range	4.2 A	8.4 A	12.6 A	21 A	42 A	84 A	126 A	168 A	208 A	250 A	
Phases	3Ø / 5 Wire										
Voltage	Line to Neutral	0 - 150 V / 0 - 300 V Selectable (300V/600V Range available - Option 600)									
	Line to Line	0 - 260 V / 0 - 520 V Selectable									
	Resolution	0.1 V									
	Accuracy	± ( 1.0% + 0.2 V )									
Frequency	Range	45 - 500 Hz									
	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 )										
<b>ENVIRONMENTAL</b>											
Operating Temperature	32° - 104° F / 0° - 40° C										
Relative Humidity	80%, non-condensing										
Altitude	Below 6500 feet / 2000 m										
<b>DISPLAYS AND CONTROLS</b>											
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										
<b>MECHANICAL SPECIFICATIONS</b>											
Model	3003	3006	3009	3015	3030	3060	3090	3120	3150	3180	
Dimensions	Inches	34 x 26 x 17		34 x 36 x 24		38 x 39 x 24	65 x 39 x 32	71 x 39 x 48	71 x 47 x 48	71 x 47 x 63	71 x 47 x 63
	(H x D x W) mm	864 x 660 x 432		839 x 980 x 600		949x980x600	1662x980x800	1805x980 x1200	1805x1180 x1200	1805x1180 x1600	1805x1180 x1600
Weights	(Kg / lbs.)	140/308	175/385	299/659	362/798	547/1206	909/2004	1505/3318	2139/4716	1800/3968	1800/3968



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