



Advanced Test Equipment Corp.

www.atecorp.com 800-404-ATEC (2832)

## APS 3000 Series

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



**The APS 3000 Series frequency and voltage converters are economically priced and offer top of the line performance.**

The series consists of seven 3 phase output instruments ranging in size from 3 kVA to 90 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!

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

- **Output Power:** 3 kVA to 90 kVA
- **Output Frequency:** 45-500 Hz
- **Output Voltage:** Dual range, 150/260 V or 300/520 V, 3 phase
- **Isolated Output, THD:** < 1%
- **Input Requirements:** 220, 240, 380, 415, 480 VAC  
± 10%, 3 phase, 47-63 Hz (3kVA and 6kVA, 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 covered in the output parameters

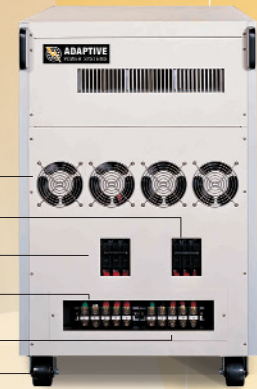
Worldwide  
Supplier  
of Power  
Conversion  
Equipment



TM

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# APS 3000 Series



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

## Instrument Specifications

| MODEL                            | 3003  | 3006                                 | 3009     | 3015                         | 3030     | 3060     | 3090      |       |
|----------------------------------|---|--------------------------------------|----------|------------------------------|----------|----------|-----------|-------|
| <b>INPUT SPECIFICATIONS</b>      |   |                                      |          |                              |          |          |           |       |
| Phase                            | 1Ø/2W + ground  |                                      |          | 3Ø/3W + ground               |          |          |           |       |
| Voltage                          | 230V±15%  |                                      |          | 220, 240, 380, 415, 480V±10% |          |          |           |       |
| Frequency                        | 47-63Hz   |                                      |          |                              |          |          |           |       |
| <b>OUTPUT SPECIFICATIONS</b>     |   |                                      |          |                              |          |          |           |       |
| Power rating                     | Total Power   | 3kVA                                 | 6kVA     | 9kVA                         | 15kVA    | 30kVA    | 60kVA     | 90kVA |
|                                  | Per Phase   | 1kVA                                 | 2kVA     | 3kVA                         | 5kVA     | 10kVA    | 20kVA     | 30kVA |
| Max Arms per Ø @ 0-150 V         | 8.4 A   | 16.8 A                               | 25.2 A   | 42.0 A                       | 84.0 A   | 168.0 A  | 252.0 A   |       |
| Max Arms per Ø @ 0-300 V         | 4.2 A   | 8.4 A                                | 12.6 A   | 21.0 A                       | 42.0 A   | 84.0 A   | 126.0 A   |       |
| Phase                            | 3Ø/5W   |                                      |          |                              |          |          |           |       |
| Voltage                          | Line to Neutral   | 0-150V/0-300V Selectable             |          |                              |          |          |           |       |
|                                  | Line to Line  | 0-260V/0-520V Selectable             |          |                              |          |          |           |       |
|                                  | 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   |                                      |          |                              |          |          |           |       |
| <b>DISPLAYS AND CONTROLS</b>     |   |                                      |          |                              |          |          |           |       |
| 4 Digital LED meters             | Frequency, Voltage, Current, Power or Power Factor (simultaneously) |                                      |          |                              |          |          |           |       |
| PLC Remote Interface             | P1, P2, P3, and Output On/Off                                       |                                      |          |                              |          |          |           |       |
| Memory                           | 3 Programmable Memory Locations for Voltage, Frequency and Current  |                                      |          |                              |          |          |           |       |
| Calibration                      | Front Panel Calibration   |                                      |          |                              |          |          |           |       |
| Interface (optional)             | GPIB, or RS-232   |                                      |          |                              |          |          |           |       |
| Auto voltage adjust              | Enable for improved voltage regulation within ±0.1V                 |                                      |          |                              |          |          |           |       |
| <b>MECHANICAL SPECIFICATIONS</b> |   |                                      |          |                              |          |          |           |       |
|                                  | 3kVA  | 6kVA                                 | 9kVA     | 15kVA                        | 30kVA    | 60kVA    | 90kVA     |       |
| Dimensions (HxDxW) Inches        | 29x26x17  | 29x26x17                             | 32x36x24 | 32x36x24                     | 38x36x24 | 55x36x24 | 71x36x48  |       |
| Weights (Kg/lbs)                 | 105/230   | 120/265                              | 220/485  | 290/640                      | 460/1010 | 760/1675 | 1200/2640 |       |



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