

# FC 200 Series

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



## The FC 200 Series frequency and voltage converters are economically priced and offer top of the line performance.

The series consists of two 1 phase output instruments in sizes of 500VA and 1kVA. 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 also 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 FC 200 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 FC 200 Series converters are a simple and cost effective solution for all of your AC power conversion needs!

## Key Features & Specifications for the FC 200 Series

- **Output Power:** 500VA and 1kVA (for larger 1-phase sizes up to 40kVA see the APS 1000 Series)
- **Output Frequency:** 45-500Hz
- **Output Voltage:** Dual range, 0-150V or 0-300V, 1 phase
- **Isolated Output, THD:** < 0.5%
- **Input Requirements:** 115/230VAC  $\pm$  15%, 1 phase, 47-63Hz
- **Intuitive Front Panel Controls:** Frequency, Voltage and Current Limit
- **Easy to Read LED Displays:** Frequency, Voltage, Current and Power or Power Factor
- **Memory Locations:** Can save three desired settings of any voltage, frequency and current limit covered in the output parameters
- **Power Outlets:** Universal, Domestic and International Connectors
- **Option:** PLC Remote Interface which includes 7 memory locations

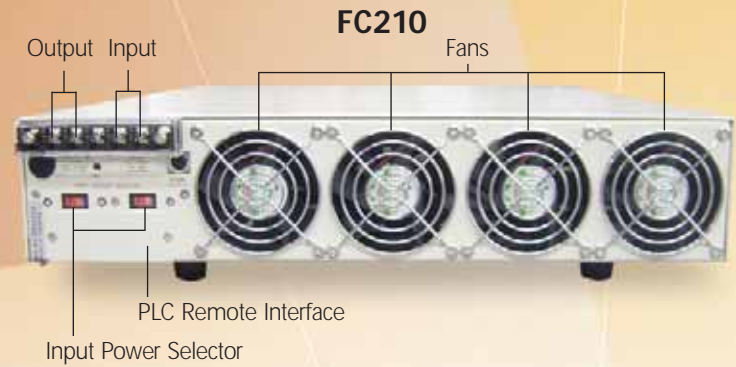
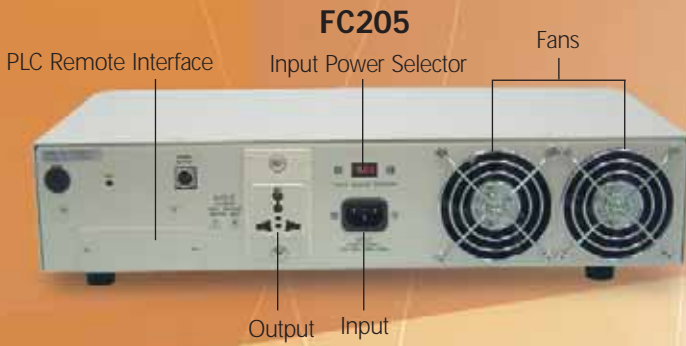
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Conversion  
Equipment



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# FC 200 Series



MODEL	FC205	FC210
<b>INPUT SPECIFICATIONS</b>		
<b>Input Phase</b>	1-phase / 2-wire + Ground	
<b>Input Voltage</b>	115/230Vac ± 15%	
<b>OUTPUT SPECIFICATIONS</b>		
<b>Power rating</b>	<b>500VA</b>	<b>1000VA</b>
<b>Max Arms @ 0-150V</b>	4.2A	8.4A
<b>Max Arms @ 0-300V</b>	2.1A	4.2A
<b>Phase</b>	1-phase / 2-wire + Ground	
<b>Voltage (r.m.s.)</b>	Low Range 0-150V	
	High Range 0-300V	
	Resolution 0.1V	
	Accuracy ± (0.5% of setting+2 counts)	
<b>Frequency</b>	Range 45 - 500Hz	
	Resolution 0.1Hz at 45 - 99.9Hz, 1Hz at 100 - 500Hz	
	Accuracy ± 0.2%	
	Harmonic Distortion ≤ 0.5% (Resistive Load)	
<b>Crest Factor</b>	≥ 4 to 1	
<b>Load Regulation</b>	± 0.5% (Resistive Load)	
<b>Protection</b>	Over-Current, Short-Circuit, Over-Temperature	
<b>Operating Temperature</b>	32°F - 104°F (0°C - 40°C), 80% Relative Humidity	
<b>Altitude</b>	Below 6,500 feet	
<b>DISPLAY AND CONTROLS</b>		
<b>4 Digital LED meters</b>	Frequency, Voltage, Current, Power or Power Factor (simultaneously)	
<b>Memory (Standard)</b>	3 Memories, 3 Programmable Parameters per Memory for: Voltage, Frequency, Current Limit	
<b>Calibration</b>	Front Panel Calibration	
<b>Auto-Voltage Adjust</b>	Provides improved voltage regulation to within ± 0.1V	
<b>MECHANICAL SPECIFICATIONS</b>		
<b>Power Rating</b>	<b>500VA</b>	<b>1000VA</b>
<b>Dimensions (In.)</b>	H/D/W	3.5 x 16 x 17
	Weight kg/lb	22/48
		37/81



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