

FC 200 Series CE

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

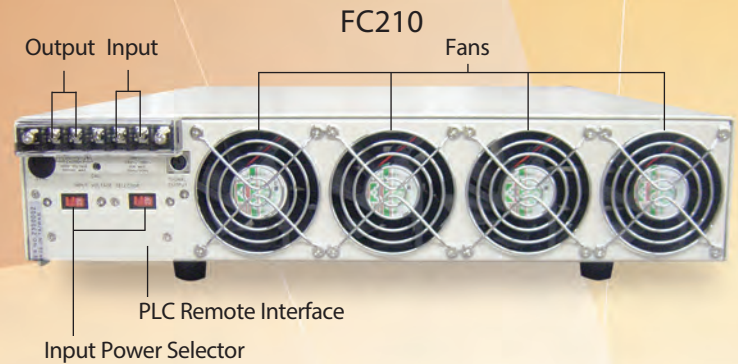
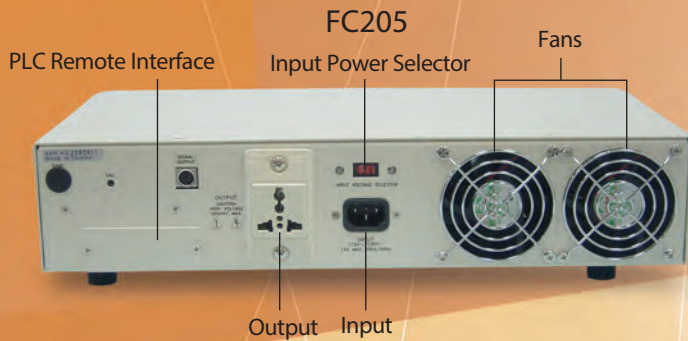
- Output Power: 500VA and 1kVA (for larger 1-phase sizes up to 40kVA see the APS 1000 Series)
- Output Frequency: 45-500Hz
- Output Voltage: Dual range, 0-150V or 0-300V, 1 phase
- Isolated Output, THD: < 0.5%
- Input Requirements: 115/230VAC \pm 15%, 1 phase, 47-63Hz
- Intuitive Front Panel Controls: 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 output parameters
- Power Outlets: Universal, Domestic and International Connectors
- Option: PLC Remote Interface which includes 4 additional memory locations
- Regulatory: CE Mark

Worldwide Supplier of Power
Conversion Equipment



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

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MODEL		FC205	FC210
INPUT SPECIFICATIONS			
Phases		1Ø / 2 Wire + Ground	
Voltage		115 / 230V ± 15%	
Frequency		47-63Hz	
OUTPUT SPECIFICATIONS			
Power Rating	Total Power	500 VA	1000 VA
Max Current	150V Range	4.2 A	8.4 A
	300V Range	2.1 A	4.2 A
Phases		1Ø / 2 Wire + Ground	
Voltage	Low Range	0 - 150 V	
	High Range	0 - 300 V	
	Resolution	0.1 V	
Accuracy		± (0.5% of setting + 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		≤ 0.5% (Resistance Load)	
Crest Factor		≥ 4 to 1	
Load Regulation		± 0.5%	
Protection		Over Current, Short Circuit, Over Temperature	
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)	
Memory (standard)		3 Programmable Memory Locations for Voltage, Frequency and Current	
Calibration		Front Panel Calibration	
Interface (Optional)		PLC Interface. (Adds 4 Setup Memory Locations for total of 7 Locations)	
Auto Voltage Adjust		Enables improved voltage regulation within ± 0.1 V	
REGULATORY COMPLIANCE			
Approvals		CE Mark	
MECHANICAL SPECIFICATIONS			
Model		FC205	FC210
Dimensions	(H x D x W)	3.5" x 16" x 17" / 89 x 400 x 430 mm	3.5" x 22" x 17" / 89 x 560 x 430 mm
Weights	(Kg / lbs.)	22/ 48	37 / 81



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