

500VA VARIABLE AC POWER SOURCE

VFC 501 SERIES

- Variable output voltage & frequency
- Compact size, light weight
- Sinusoidal wave shape
- Digital meters for Vrms & frequency
- Isolated, floating output
- 500VA output power
- Full electronic protection
- High reliability
- Professional quality
- Field-proven design topology



The VFC 501 Series is a variable AC power source designed to deliver power at a selectable frequency between 47Hz to 424Hz. The unit uses PWM technology and generates a pure sine-wave output with typical distortion of less than 5%. The output voltage is continuously adjustable from 0 to full scale.

The VFC 501 Series AC power source can be used as a compact AC/AC frequency converter, suitable for a wide range of applications. It features full electronic protection, high efficiency and low output noise. The unit is fan cooled.

SPECIFICATIONS

Input Voltage 115 or 230VAC $\pm 20\%$ auto-ranging 47Hz 440Hz	Output Voltage 0 ... 250V range; max current 2A	Load Regulation Maximum $\pm 6\%$ from 10% load to full load	Frequency Stability $\pm 0.1\%$
Input Protection Thermal fuse Inrush current limiting	Output frequency 47 ... 424Hz in one band 50,100,200,400Hz 'hot' push buttons	Output Protection Current limiting with short circuit protection. Thermal shutdown with automatic recovery in case of insufficient airflow	Temperature Drift (for output voltage level) 0.05% per $^{\circ}\text{C}$ over operating temperature range
Input Isolation 2250VDC input to chassis 2250 VDC input to output 8mm spacing 2250VDC output to chassis	Wave Form Sinusoidal	EMI Typically meets EN 55022 Class B	Dimensions 8.5" x 5.1" x 14" enclosed case (WxHxL)
Full compliance to IEC950, CSA C22.2 No. 950 and UL 1950	Total Harmonic Distortion Less than 5% at full load	Load Crest Factor Maximum 3.0 at 90% load	Connections Input: IEC inlet connector Output: banana sockets or standard AC receptacle
	Efficiency Min 78% at full load	Operating Temperature Range 0 $^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$	Weight 9 pounds (4.1kg)
	Line Regulation Maximum 0.5%		

Warranty: Twelve months subject to application within good engineering practice
Enhancements to these general specifications can be accommodated upon request
Designed to meet common approval requirements. Specifications subject to change.

Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard.
Absopulse is a BABT-approved Facility

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