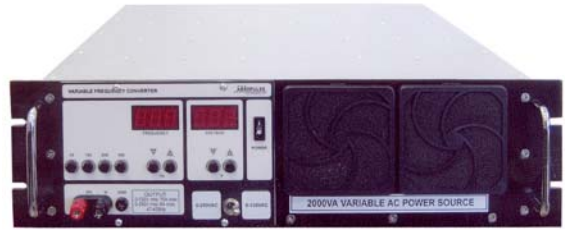


2000VA VARIABLE AC POWER SOURCE

VFC 2000 SERIES

- Variable output voltage and frequency
- Sinusoidal output voltage
- Digital meters for output voltage and frequency
- Isolated, floating output
- 2000VA output power
- Full electronic protection
- High reliability
- Field-proven design topology



The VFC 2000 Series is a variable AC power source with an adjustable output of 0 ... 132Vrms (maximum current 15Arms) and 0...264Vrms (maximum current 7.5Arms). The unit uses PWM technology to generate a 2000VA sine-wave output with a total harmonic distortion less than 5% at full load.

The VFC 2000 Series AC power source is suitable for a diverse range of industrial, engineering and academic or laboratory applications. It can also be used as an AC frequency converter. The unit is fan cooled and features full electronic protection, high efficiency and low output noise.

SPECIFICATIONS

Input Voltage

115 or 230VAC $\pm 15\%$
47Hz 410Hz
Auto-ranging optional

Input Protection

Internal safety fuse
Inrush current limiting

Input Isolation

2250VDC input to chassis
2250 VDC input to output
8mm spacing
2250VDC output to chassis
EN60950, CSA C22.2
No. 60 950 and UL 601950

EMI

EN 55022 Class A
minimum

Output Voltage

0...132Vrms range;
max current 15Arms
0...264Vrms range;
max current 7.5Arms

Output frequency

47 ...439Hz in one band
50, 100, 200, 400Hz 'hot' push buttons

Output Wave Form

Sinusoidal

Total Harmonic Distortion

Less than 5% at full load

Efficiency

Typically 80% at full load

Line Regulation

Maximum 0.5%

Load Regulation

Maximum $\pm 5\%$ of V_{out} max
from no load to full load.

Output Ripple/Noise

High frequency ripple is less
than 500mVrms (20 MHz BW)

Output Protection

Current limiting with short
circuit protection. Thermal
shutdown with automatic
recovery in case of insufficient
airflow

Output overload Protection

Hiccup at about 120% of
output max. current

Load Crest Factor

Maximum 3.0 at 90% load

Operating Temperature Range

0°C to +50°C

Temperature Drift (for output voltage level)

0.05% per °C over operating
temperature range

Cooling

Built-in fans

Frequency Stability

$\pm 0.1\%$

Environmental Protection

Basic ruggedizing

Dimensions

3U x 19" x 18" enclosed case
Black or silver.

Connections

Input: terminal block
Output: binding posts on front
panel
AC receptacle on rear panel
optional

Weight

31.5 pounds (14 kg)

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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