VariPLUS®

Power Converter

The VariPLUS® is a power converter specifically designed for testing in the production line or laboratory environment. The VariPLUS out performs the traditional variable transformer on multiple levels that include metering, automatic voltage, and frequency adjustments to the load. Easily produce variable output voltages between 0-300 VAC with selectable frequency at 50/60 Hz to satisfy your product testing requirements. Simple adjustments are made through dedicated keys and a rotary knob. The universal receptacle provides multi-national connections while providing operator protection.

Features

- Isolated output ensures the power provided to the DUT is free from distortion, voltage spikes, and other transients
- Push-button interface for 50/60 Hz output
- SmartVOLT feature allows the operator to configure the instrument to power up at 0 volts or the previously used voltage before the instrument was turned off
- Metering circuits monitor voltage, current, frequency, and power
- Output/Reset key maximizes operator safety by enabling and disabling the output with a simple push-button
- Power Up feature configures the output relay for quick and efficient testing
- Front panel lockout

Options

- Grounded Neutral

Applicable

Laboratory | Lighting | Medical | Test & Measurement

APT Benefits

3 YEAR WARRANTY

10 DAY GUARANTEED SHIPMENT

INPUT		105
Phase		1Ø
Voltage		115/230 VAC Selectable ± 10% Variation
Frequency		47 – 63 Hz
OUTPUT		
Voltage		0 - 300 VAC
Max Power		500 VA
Max Current (RMS)		2.3 A @ <220 V, 4.6 A @ <110 V
Phase		1Ø2W
Frequency		50, 60 Hz Selectable
THD		<1% (Resistive Load)
Crest Factor		≥ 3
Line Regulation		± 0.1 V
Load Regulation		± (0.5% of output + 0.5 V) at Resistive Load
Response Time		<400 µsec
MEASUREMENT		
Voltage	Range	0.0 - 400.0 V
	Accuracy	± (1% of reading + 2 counts)
Frequency	Range	50, 60 Hz Selectable
	Accuracy	± 0.1% Hz of setting ± .03%
Current (RMS)	Range	0.0 – 6.50 A
	Accuracy	± (1% of reading + 5 counts)
Power	Range	0 - 650 W
	Accuracy	± (2% of reading + 10 counts) at PF ≥ 0.2
GENERAL		
Inrush Current		4 times the current rating
Enhanced Over Load Capacity		4 times of rating current, Over Current 110% can hold for 1000 ms w/o Protection
Operation Key Feature		Frequency, Display, System, Lock, Output
Digital Encoder		Adjusts output voltage and system parameter values
Fan		Temp. Control Two Fan Speed
Front Output		Universal Receptacle
Rear Output		–
Displays		LED
Efficiency		≥ 80% (at full load)
Protection Circuits		Over Current, Over Voltage, Over PP, Over Temperature
Calibration		Front Panel Calibration
Dimensions (W x H x D)		14 x 5.25 x 12 in
		355 x 133 x 300 mm
Net Weight		28 lbs (13 kg)

Specifications subject to change

Why We Use Counts
APT publishes some specifications using "counts" which allows us to provide a better indication of the tester's capabilities across measurement ranges. A count refers to the lowest resolution of the display for a given measurement range. For example, if the resolution for voltage is 1V then 2 counts = 2V.