

Test Motors & Generators rated to 6.6 kVac

AC Withstand & Diagnostic Assessment Testing Stator Bars, Coils, Insulators, Bus Duct . . . etc.

Dual Outputs: 0 - 6 kVac @ 1 A & 0 - 12 kVac @ 500 mA

0 - 6/12 kVac @ 6 kVA AC Test Set



Test up to
6,600 V coils

Advantages

- High Power Mobile AC Supply
- Ideal for Field or Shop Testing
- AC Proof Test High μ F Loads
- Corona Free Output <10pc
- Use for Tan Delta/Power Factor & Partial Discharge Testing
- Portable & Easy to Maneuver
- Standard hipot type design, easy and quick to use with no programming necessary

AC Dielectric Test Sets from HVI

PFT Series: 10 kV - 200 kV up to 3 kVA
HPA Series: 5 kV - 400 kV up to 50 kVA

Popular Motor Test Model



Model PFT-103CM

0 - 10 kVac @ 3 kVA
up to 300 mA current

one piece portable
shielded cable output
guard/ground circuit
rugged & reliable

Description

The model **FPA-12/066F AC Dielectric Test Set** provides continuously adjustable AC high voltage to perform pass/fail AC Withstand testing and for use as a voltage source for diagnostic testing of high voltage apparatus, like motor & generator windings, bus duct, switchgear, etc. The **FPA-12/066F** is rated for 6 kVA of test power from two full kVA outputs: **0 - 6 kVac @ 1 amp and 0 - 12 kVac @ 500 mA**. It offers the motor test features needed, the convenience of a shielded EPR output cable, and is corona free to < 10 pc. It is provided in a mobile, rugged, and reliable package.

Application note: AC voltage testing is the proper method to use to test the AC operating integrity of most apparatus. AC testing usually requires higher test current than DC testing. The AC load current is determined by the load's capacitance and the test voltage. It can be calculated by using the formula $A = 2\pi fCV$ with C in farads and V in volts. Check your charging current needs to select a hipot with enough kVA. For more information, read the HVI application data and the **PFT Series & HPA Series** product line brochures from HVI.

Features

- Two Full kVA Voltage Outputs
- Low Partial Discharge output <10 pc
- Voltage Output Selected LEDs
- Adjustable Overload from 10% - 110%
- Overload Backup at 120% of pri. current
- Load Burn mode to help find faults
- Shielded output cable for ease in use
- Keyed Emergency Off switch
- Zero Start & External Interlock
- Rugged Metering - Digital Optional
- Warning Lights - Green & Red
- Isolated Load Return with Guard/Ground switch
- Dual Range Voltage - Triple Range Current metering
- Simple, manual controls for ease in use - no programming



Specifications

- HV Output:** 0 - 12 kVac @ 500 mA or 0 - 6 kVac @ 1000 mA
Duty rating: 6 kVA @ 1 hr. ON/1 hr. OFF, 5 kVA continuous
HV Section: Transformer - Air Insulated
Input: 230 V, 26 amps, 50/60 Hz, single phase
Output cable: 20'6 m EPR shielded cable with battery clamp termination
Volt Meter: 3.5" Analog with scaling of 0 - 3/6/12 kVac
Current Meter: 3.5" Analog with scaling of 0 - 250/500/1000 mAac
Size/Weight: 20.5" w x 23" d x 47" h, 235 lbs. (height incl. warning lamps)
 521 w x 584 d x 1245 h mm, 107 kg



HVI: The World's VLF Source
All HVI Products are Made in the USA

HVI: The high voltage test equipment source
for Motor/Generator OEMs and rewind shops

ISO 9001:2008

HIGH VOLTAGE HIGH VOLTAGE, INC.

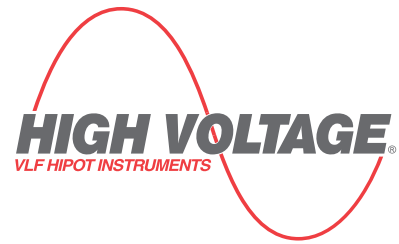
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E-Mail: sales@hvinc.com • Web: www.hvinc.com

High Voltage, Inc. designs and manufactures high voltage test equipment for utility and industrial applications. Products include VLF AC hipots, fault locators/thumpers, AC and DC hipots, aerial lift testers, HV dividers, oil dielectric testers, and more.

Field Portable AC Dielectric Test Set

Model: FPA-12/066F 0 - 6/12 kVac @ 6 kVA

Ideal for Testing Motors & Generators rated up to 6 kV & other apparatus
Controls and Connection Details – also see product brochure



FPA SERIES PORTABLE AC TEST SET



Warning Lights
Red - HV On
Green - Power On



CURRENT METER



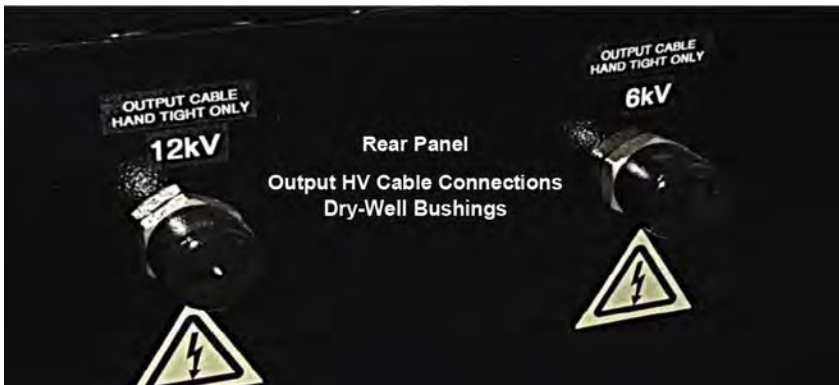
VOLTMETER

Three ranges for each output voltage tap
0 - 250 mAac, 0 - 500 mAac, 0 - 1000 mAac

Two ranges for each output voltage tap
6 kVac Output: 0 - 3 kVac & 0 - 6 kVac
12 kVac Output: 0 - 6 kVac & 0 - 12 kVac



Auxiliary Power: 120 V @ 2 A
Ground Cable Connection
3 Fuses: two 2 A SloBlo & one 3 A
External Interlock Connection
Load Return BNC for Guarded Current
Input Power cable



Rear Panel
Output HV Cable Connections
Dry-Well Bushings



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