



# 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  $\mu$ 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.

31 County Rt. 7A • Copake, NY 12516 • (518) 329-3275 • Fax: (518) 329-3271  
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.