

INDUCED AC VOLTAGE TEST SYSTEM - IVT1000 SERIES

VARIABLE FREQUENCY POWER SUPPLY FOR TRANSFORMER TESTS

The IVT1000 series systems are designed for induced AC voltage tests at power transformers according to IEC60076.

These tests usually require the double rated voltage at the double or higher frequency.

The IVT1000 series output voltage range is 0-1000V and the output frequency range is 50-200Hz. Three voltage ranges allow optimal adaption to the test voltage and current requirements of typical power transformers.

By the innovative and efficient frequency converter technique, a sinusoidal output voltage with low harmonic is generated.

The voltage is precisely measured and regulated.

The complete remote control via PC allows safe testing from the control room and increases productivity and safety.

APPLICATION

- Power Transformer Routine Test

KEY FEATURES

- 3-Phase AC power supply
- Output frequency 50-200Hz
- 3 Voltage ranges up to 1000V
- Output power 10, 20 or 40kVA
- Single phase operation possible
- Touch display, PLC control
- Ethernet interface

KEY BENEFITS

- Compact and energy efficient
- Sinus output, low distortion
- Precise voltage regulation
- Easy operation
- Remote control

OPTIONS

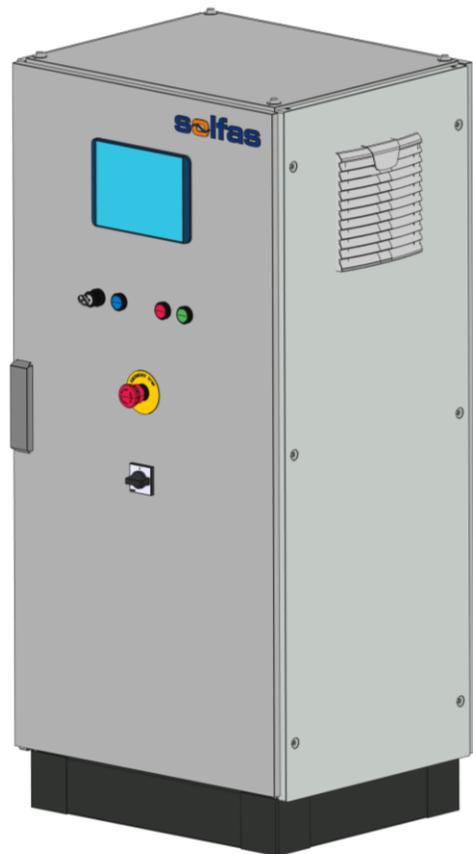
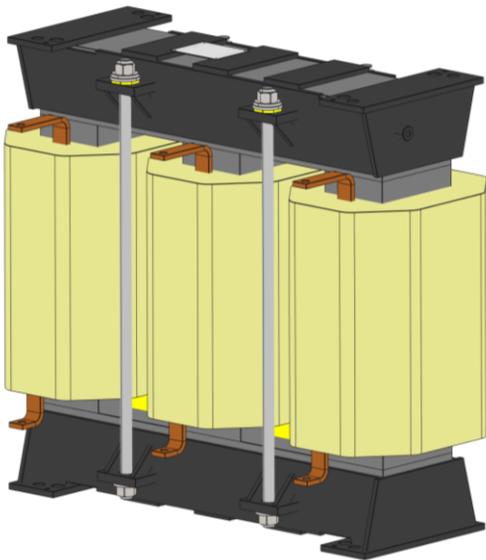
- Frequency up to 400Hz
- Output voltage up to 1500V

TECHNICAL SPECIFICATIONS

INDUCED AC VOLTAGE TEST SYSTEM - IVT1000 SERIES

Model	IVT1010	IVT1020	IVT1040
Output power	10kVA	20kVA	40kVA
Output ranges ¹⁾	1000V 6A, 500V 12A, 250V 24A	1000V 12A, 500V 24A, 250V 48A	1000V 24A, 500V 48A, 250V 96A
Output frequency ¹⁾	50-200Hz (400Hz with Option -400)		
Distortion	<2% ²⁾		
Input voltage ¹⁾	3AC 400V±5% 50-60Hz		
Input current	16A	32A	63A
Measurements	Voltage, current, power, power factor, frequency, accuracy better 0.5%		
Protection	Overcurrent, overvoltage, overtemperature		
Safety features	Internal emergency stop, connection for external emergency stop, connection for one safety interlock, warning lights, key switch, start and stop buttons		
Dimensions (WxHxD)	600x2100x600mm	800x2100x600mm	1000x2100x600mm
Weight	210kg	320kg	520kg

¹⁾ Please contact Solfas for other requirements ²⁾ at 50-100% of voltage range



SOLFAS TECHNOLOGIE GMBH

We specialize in the development and distribution of test systems, power supplies and measuring instruments. Experts in electrical testing and automation, our company offers a broad range of high-performance full-service testing solutions and measuring instruments. We provide clients in the automotive, aerospace, energy and traditional industry sectors with the equipment they need to test high power components, such as chokes, transformers and electric motors.