# Best Technical Support



## SPECIAL FEATURES

- Solid state electronic control circuit
- Two switching triaes
- Very low losses 2 3% max.
- 97 to 98.5% efficiency
   ( achieved by use of hi-quality laminations and copper )
- Waveform distortion Nil
- Speed of correction upto 60v/sec.
- Quick response time less than 20m/sec. (full cycle)
- Immune to load power factor and ferquency variations.
- Duty cycle continuous
- Life expectancy 20-25 years
- Very high reliability, easy and simple maintenance
- Excellent regulation as high as = 1%
- Operation auto or manual
- Every unit is 'soak tested' for 24 hours to ensure trouble free operation



OIL COOLED SERVO STABILIZER (3KVA TO 1000KVA)

## **Applications**













# AUTOMATIC POWER FACTOR CONTROL PANEL

## Advantages

Reduction in maximum demand

Low power factor penalty can be avioded

Extended life for switch gears, capacitors & cables

Avoid manual distruptions

Micro processor based automatic controller display

We provide solutions for improving plant power
factor by installing our APFC panel

## Features:

Product range: 20 KVAr to 500KVAr
All major components of standard make like
SIEMENS, L&T, and HAVELLS
TECH POWER provides multiple Stages, like 8, 12, 16,...more
By using a special designed electronic control circuit





# ONLINE UPS



TECH POWER UPS is a 3ph - 1ph, 3ph - 3ph, online ups for industial application with regenerative load bank. Designed for customer oriented, Harsh electrical and encironmental conditions. Tech power ups is a long life model.

Uninterrupted power is the prime infrastucture of any business process and a basic need of any successful sustaining operations. Tech Power ups designed by IGBT & isolation transformer models, tech power providing wide range of capacities in 1ph & 3ph.

The overall efficiency generally mentioned is on full load which is typically 90% - 93% But in actual condition the load would be around 75% and the overall efficiency falls to around 75% - 80%

of designing engineers with over 15 years of experience in the field of power electronics equipment. it is one of the best manufacturer of power conditioning & power saving equipment with latest technology.

TECH POWER products are manufactured at Rajapalayam established in 2014. Tech Power brand is synonymous with awesome quality and active service support - which are our main focus, the above attributes have helped us in realizing customer satisfaction and loyality.

TECH POWER manufacturing of a servo controlled voltage
Stabilizers (SCVS) Isolation transformer, APFC panel, transformers,
automatic phase shifter, and traders of AC drives, UPS, Battery.
TECH POWER vision is establishing best brand and certified
organization. continually strive to achieve zero defects in products
processes and servies. Tech Power focusing various segments like
textiles ,engineering and automobile, printing, packing, garments,
dyeing, weaving, Residential, Hospitals, Granite, Shopping malls,
FMCG Industries ......and many more



#### Office Address

14B4/E Tp Mills Road, Opp.
Thiruvalluvar Mandram, Rajapalayam - 626 117.

#### Branch Uffice:

724-G, Sankarapandiyan New Complex Old Virudhunagar Road, Sivakasi - 626 189.



# Our Dealer :-

11/14, Suganthi Layout,
Verakeralam (Post), Coimbatore - 641 007.

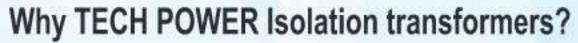
90956 21234, 90956 31234
smarttechsolutionscbe@gmail.com

Mob: +91 88700 10448, +91 98428 13942 | E-mail: techpower2014@gmail.com

Web: www.techpower.in

# **ISOLATION TRANSFORMER**





power generation in our country, is no doubt good and availability of continuous power is certainly berrer, but the stringent requirements of the sophisticated equipment being used today underlines the necessity of CLEAN POWER

TRANSFORMERS



Special Features:
TECH POWER isolation transformers all type of noises, spikes, surges & transients can be eliminated to a greater extent.

Isolates sensitive equipments from noisy power line Complete with electrostatic shielding

**CONTROL PANELS** 

# **TECHNICAL SPECIFICATIONS**

	SINGLE PH	ASE	THREE PHASE
Rating	1KVA to 50KVA, 50	Hz	3KVA to 500 KVA,50Hz
Input Voltage	230V / 240V AC no	minal	400V, 415V AC nominal
Output Voltage	230 / 110V AC		400V, 415V, 220V AC
Mode of Operating Ratios	1:1 and 2:1 isolation transformer		
Common mode Attenuation	Over, 100 dB, over 120dB		
Coupling Capacitance	less than 0.05pF for 100dB		
Leakage current	less than 25µA		Less than 40µA
Regulation	Better than 3%		Better than 3 to 5%
Regulation System Connections		elta/Stat or Star/Delta o	
		elta/Stat or Star/Delta of 3KV for 60 Sec	
System Connections			or Star/ Star
System Connections  Di-electric Strength		3KV for 60 Sec	or Star/ Star Ohms
System Connections  Di-electric Strength  insulation Resistance		3KV for 60 Sec Better than 1000 Mega 0	or Star/ Star Ohms

AUTOMATIC PHASE SHIFTER

## TECHNICAL SPECIFICATIONS

Cooling : Air cooled / Oil cooled

Capacity: 1kva to 1000kva

Input voltage : 140 - 270v/ 170-270v 1Phase AC

: 240-460v / 295-465v / 340 - 460v

360-460v / 340-480v 3Phase AC

Output voltage : 230v / 240v±1% 1Phase AC

: 380v / 400v / 415 ± 1% 3Phase AC

System - connections : 4 wire, RYBN, star

Operating frequency : 47 - 53 HZ

Output voltage adjustable: 380v to 415 v AC in 3 Phase

: 220 to 240v AC in 1 Phase

Output voitage regulation : + 1% ( any load)
Correction rate : 35v/sec-1Phase

: 60v / sec - 3Phase

Insulation : Class 'F' (Transformers)

Operating Temperature : Ooc to 50c

Humidity : upto 95% RH max
COnforms to : IS 9815 - 1994
Transformer oil : IS 335,IEC 296

### **PROTECTIONS**

Low voltage protection

High voltage protection

Over load protection

Short circuit protection

Single phasing preventer

MOVs for SPIKE / SURGE protection

## **OPTIONAL ACCESSORIES**

Frequency meter

Time - delay circuit

Phase reversal Protection

Dimmer protection arrangement

## **PANEL INDICATIONS & METERS**

Input - on, output-on, output-cut off

Digital meters to read voltage & amps





THREE PHASE AIR COOLED SERVO STABILIZER



SINGLE PHASE AIR COOLED SERVO STABILIZER

**APPLICATIONS** 

Textile industries
Garment industries
Dyeing industries
Weaving industries
Residential
Hospitals
Printing Machines
Leather industries
FMCG industries
Shopping Complex
Granite industries
...And many more

**CNC** machines

**OUR OTHER PRODUCTS:** 

AC & DC DRIVES

**AUTOMATIC STABILIZER**