

# Best Technical Support

TECH  POWER

## SPECIAL FEATURES

- ❖ Solid state electronic control circuit
- ❖ Two switching triacs
- ❖ 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 frequency 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

## Applications



OIL COOLED SERVO STABILIZER  
(3KVA TO 1000KVA)

## AUTOMATIC POWER FACTOR CONTROL PANEL

### Advantages

- Reduction in maximum demand
- Low power factor penalty can be avoided
- Extended life for switch gears, capacitors & cables
- Avoid manual disruptions
- 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 industrial application with regenerative load bank. Designed for customer oriented, Harsh electrical and environmental conditions. Tech power ups is a long life model.

Uninterrupted power is the prime infrastructure 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%

**TECH POWER TECHNOLOGIES**, is managed by a team 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 loyalty.

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 services. 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.

Mob : +91 88700 10448, +91 98428 13942 |

### Branch Office :

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

E-mail : [techpower2014@gmail.com](mailto:techpower2014@gmail.com) | Web : [www.techpower.in](http://www.techpower.in)



### Our Dealer :-

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

☎ 90956 21234, 90956 31234

✉ [smarttechsolutionscbe@gmail.com](mailto:smarttechsolutionscbe@gmail.com)

# ISOLATION TRANSFORMER



**CLOSED MODEL**



## Why TECH POWER Isolation transformers?

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

## 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

## TECHNICAL SPECIFICATIONS

	SINGLE PHASE	THREE PHASE
Rating	1KVA to 50KVA, 50Hz	3KVA to 500 KVA, 50Hz
Input Voltage	230V / 240V AC nominal	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 25 $\mu$ A	Less than 40 $\mu$ A
Regulation	Better than 3%	Better than 3 to 5%
System Connections		Delta/Stat or Star/Delta or Star/ Star
Di-electric Strength		3KV for 60 Sec
insulation Resistance		Better than 1000 Mega Ohms
Construction Standards		AS per IS 2026 Part I & II
Operating Temperature		0 $^{\circ}$ C to 45 $^{\circ}$ C

## 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 voltage regulation	: + 1% ( any load)
Correction rate	: 35v/sec-1Phase : 60v / sec - 3Phase
Insulation	: Class 'F' (Transformers)
Operating Temperature	: 0°c to 50°c
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



INDUSTRIAL MODEL      RESIDENTIAL MODEL  
THREE PHASE AIR COOLED SERVO STABILIZER



SINGLE PHASE AIR COOLED  
SERVO STABILIZER

## APPLICATIONS

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

OUR OTHER PRODUCTS :      AC & DC DRIVES      AUTOMATIC STABILIZER