TEZ

1-30 KVA (1-PH)
4-1200 KVA (3-PH)
STATIC VOLTAGE STABILIZERS

Excellence in the Service
TRIVENI ENTERPRISES®

BENEFITS

- **Wide choice of input voltage ranges**
- **Symmetrical or asymmetrical voltage ranges**
- **Compatible with voltage asymmetries between phases**
- **Suitable to protect sensitive and critical equipments from erratic voltages.**
- **IGBT DSPiC based technology.**
- **Ultrafast voltage correction. 1% tightest regulation.**
- **Auto bypass. (no need to reset manually).**

Application:

- Automation process equipments.
- Medical Sonography unit
- CT-MRI scanning unit
- UPS system protection
- CNC machines
- Discrete manufacturing, food and beverage
- Public infrastructure and transportation
- Malls, leisure, and service sector

TEZ by Triveni Enterprises is a range of voltage stabilizers that offers great output voltage stability despite wide input voltage fluctuations.

TEZ technology reduces mechanical wear extending periods between maintenance.

Range Overview:

TEZ is a range of static voltage stabilizers. The main function of TEZ range is to supply critical AC connected loads with a regulated and **stabilized AC voltage despite wide variations on the mains AC input supply voltage.**

TEZ range is available in 3 versions:

- **TEZ** VSLV from 1 kVA to 30 kVA, single-phase
- **TEZ** VSHV from 4 kVA to 200 kVA, three-phase
- **TEZ** VSHV+ from 60 kVA to 1200 kVA, three-phase

*Original product may differ from the illustrated images

+91 9820502189
(0251) 2304407
WWW.TRIVENIPOWERSYSTEM.COM
INFO@TRIVENIPOWERSYSTEM.COM

TEZ

1-30 KVA (1-PH)
4-1200 KVA (3-PH)
STATIC VOLTAGE STABILIZERS

Key Features:

- Continuous operation at full load at 45 °C ambient to meet industrial-level reliability requirements
- Compatible with any type of load, linear or non linear, balanced or 100% unbalanced
- Maintained output voltage stability over the full load variation, from 0 to 100%
- Negligible output voltage distorsion to safely supply the connected loads
- Low internal impedance allowing the capability to sustain high output surge current

Comparative Analysis of **TEZ Static voltage stabilizer** and other regular stabilizers

Specifications	TEZ Voltage Stabilizers	Other brand static voltage stabilizer	Servo voltage stabilizer	Tap changing voltage AVR
Correction speed	Ultra-Fast	Fast	Very slow	Slow
Correction time	0.5 – 1 ms	20 ms – 3 sec	50 ms – 5 sec	200 ms- 1 sec
Auto-bypass	Yes	Yes	No	No
Stability	98 – 99 %	97- 98 %	97%	94- 97 %
Reliability	Longest life	Good	Fair	Average
Load protection	Excellent	Good	Fair	Poor
Voltage fluctuation control	Excellent @ 20,000 Volt/sec	Average	Poor	Poor
Technology	Latest IGBT & DSPiC based	Thyristor & IGBT based old technology	IGBT based	Outdated, can damage modern equipments

To further cope with application requirements, TEZ range offers a set of options to meet on-site voltage conditions. Wider input voltage range, asymetrical input voltage range or specific voltages are some of the adaptations TEZ range can offer.

TEZ Static Voltage Stabilizers have ultrafast correction speed of over 20,000 volts/sec. So it will virtually eliminates common sags and surges to the connected equipments and loads.

+91 9820502189
(0251) 2304407
WWW.TRIVENIPOWERSYSTEM.COM
INFO@TRIVENIPOWERSYSTEM.COM

Specification for TEZ Static Volatge Stabilizers

Product	**Single Phase**	**Three Phase**
Discrete IGBT based	1 – 10 kVA	4 – 30 kVA
IGBT Module based	5 – 70 kVA	15 – 1200 kVA
Control type	DSP based IGBT PWM switching	
Input voltage range for 220V output: *Normal* *Wide* *Extended* **Input voltage range for 110V Output:** *Normal* *Wide* *Extented*	 *180 – 260V* *150 – 290V* *90 – 300V* *90 – 130V* *75 – 145V* *45 – 175V*	 *312 – 450V* *260 – 500V* *155 – 520V* *155 – 255V* *130 – 250V* *78 – 300V*
Output Voltage	220V +/- 1% settable 110V +/- 1% settable	380V +/- 1% settable 190V +/- 1% settabel
Regulation	+/- 1%	
Efficiency	>97%	
Input frequency	45Hz – 65Hz	
Wave form	Same as input	
Effect of power factor	nil	
Display	LCD to display for: 1. Input voltage 2. Output voltage 3. Load VA 4. Line frequency 5. Overload 6. High voltage 7. Low voltage 8. Cut off voltage 9. Bypass mode 10. Set up mode	
Rate of correction	20,000 Volt/Sec	
Operating Temperature	0 – 50 Degree Celsius	
Duty cycle	Continuous	
Cooling	Air cooled	
Protection	1. Overload 2. Short circuit 3. High voltage 4. Low voltage	
Trip & Restart	Auto	
Transformer	Differential Transformer	

TEZ

1-30 KVA (1-PH)
4-1200 KVA (3-PH)
STATIC VOLTAGE STABILIZERS

Excellence in the Service
TRIVENI ENTERPRISES®

TEZ Voltage Stabilizerz

Universal Batteries

TriZen Inverter & UPS

Contact Us:

B/42, Lane No.56, House No. 42/713,
Kokan Vasat, Behind Dominos pizza,
Chickenghar, Kalyan(w), Thane
421301

+91 9820502189
(0251) 2304407

WWW.TRIVENIPOWERSYSTEM.COM
INFO@TRIVENIPOWERSYSTEM.COM