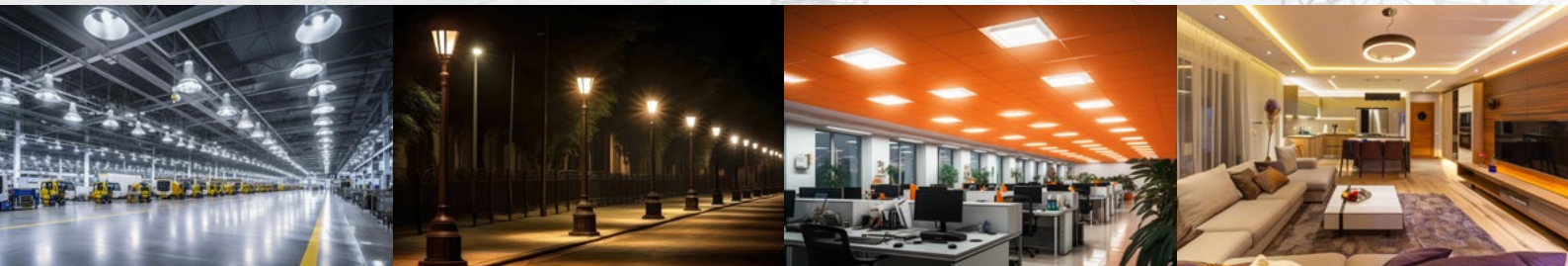




LIGHTING TRANSFORMER



An ISO 9001:2015 Certified





Sri Tulasi offers a wide range of Lighting Transformers designed to minimize the effects of power line disturbances such as noise, spikes, surges, transients, and neutral issues, while delivering the desired voltage for lighting equipment.

Power generation in our country has improved significantly, and the availability of continuous power is better than ever. However, the stringent requirements of today's sophisticated electrical and electronic equipment highlight the growing need for clean and stable power. Switching operations of electrical equipment in industrial and commercial areas generate voltage spikes reaching thousands of volts and high-frequency noise, which distort the sine-wave output. Harmonics, spikes, and surges can adversely affect lighting equipment, leading to malfunction or reduced lifespan.

To eliminate these disturbances, Sri Tulasi provides an effective solution through its Lighting Transformers. These transformers consist of a double-wound construction with extremely low coupling capacitance, ensuring isolation from voltage spikes and significant reduction of noise from the mains. They feature very high insulation resistance and also provide a generated neutral, which is more stable and efficient than the neutral supplied from the power source.

INPUT	OUTPUT	RATINGS AVAILABLE
415V AC 3-Ph (Delta)	210-220-230-240 V AC 1-Ph (Star)	150VA 3-Ph and up to 500
415V AC 3-Ph	210-220-230-240 V AC 1-Ph	150VA 3-Ph and up to 500
415V AC 3-Ph	230 V AC 3-Ph	150VA 1-Ph and up to 50 KVA 1-Ph
230 V AC 1-Ph	110 V AC 3-Ph	150VA 1-Ph and up to 50 KVA 1-Ph

Technical Specifications

System Connections	Delta / Star or Star / Delta
Ratios	1:1 and 2:1
Regulation	Better than 3.5%
Power Factor	0.75 lag to 0.75 lead
Di-electric Strength	2500 V AC for 120 Sec
Insulation Resistance	More than 1000 Mega Ohms
Coupling Capacitance	0.1 PF for 100 db
Leakage Current	Less than 20 micro amps
Common Model Attenuation	100 db
Construction Standards	As per IS 2026 part 1 & 11

Sailent features of lighting type Transformers offered by us are

- Class-H/Class-F Insulation
- Optimum functionality
- Robust construction
- Easy For Termination
- Almost Nil maintenance
- Can be designed for single or three phases
- Cooling radiators for efficient operation
- Designed to withstand short-circuit forces
- Flexible tapping range as per customer's requirement

Applications

The range of Lighting Type Transformers can be used in

- Shopping Complexes
- Housing Societies
- Nuclear Plants and Thermal Power Plants
- Hotels & High rise buildings
- Hospitals
- Chemical Plants