



ISO 9001-2015  
Certified Company



**PUREVOLT™**

# Isolation Transformers



**Rating:**  
1 KVA to 1000 KVA  
(Single/Three Phase)



**Type:**  
Air / Dry Type  
Oil Cooled

## Special Features

Suitable for 50/60 Hz & for use with Sophisticated Machines

•  
Can be designed as Step Up / Step Down Transformer

•  
Generates perfectly balanced "0" Potential Neutral

•  
Customized Input & Output Voltages Available

•  
Output is totally Isolated from Input Supply

**Complete Power Solutions**

# Isolation Transformers

PUREVOLT Manufacture and Export various types of Isolation Transformers, Step Up Transformers and Step Down Transformers, which reduce the effects of power Line problems like noise, spikes, surges, transients and neutral, to a minimum.

The Isolation transformer is one that contains two windings: Primary Winding and Secondary winding that are separated from each other but wound on the same Iron core. The secondary that governs the output is, in this manner, separated from the input. In isolation transformer the Input and output are totally independent of each other except for the magnetic linkage between the two.

**Step Down Transformers:** A transformer that decreases voltage from primary to secondary (more primary winding turns than secondary winding turns) is called a step down transformer.

**Step Up Transformers:** A Step Up Transformer is the one that increases the voltage from primary to secondary ie more secondary winding turns than primary winding turns.

## Key Features of PUREVOLT Isolation Transformers :

- High efficiency, high reliability and accuracy.
- Compact, rugged in construction, free standing, floor mounting model and housed in sturdy metal casing with sufficient ventilations.
- Since the output is totally isolated from the input, any short circuits or faults on the primary side are not reflected on the secondary, thus avoiding damage to the sensitive electrical equipment.
- Suitable for use with modern sophisticated micro processor based equipment, CNC machines
- Isolates the equipment from noisy power line.
- Provides the complete electromagnetic & electro static shielding
- It provides a perfectly balanced neutral at 'zero' potential and neutral can be used by grounding it.
- The supply of the output is free from all surges/spikes and so called electrical noise, which predominantly is present on the input side.
- High insulation values.

General Technical Specification's		
Particulars	Single Phase	Three Phase
Type of Transformer	Air cooled / Oil cooled	
Input Voltage	230 V, 1 PH (L-N)	415 V 3 PH (L-L),
Output Voltage	230 V, 1 PH (L-N)	415 V, 3 PH (L-L)
<b>CUSTOMIZED INPUT AND OUTPUT VOLTAGES AVAILABLE</b>		
Connections	Phase + Neutral + Earth	Delta / Star, Star/Delta, Star/Star, Delta/Delta
Regulation	Better than 3 – 4 %	
Ratio	1 : 1 & 2 : 1	
Input frequency range	50 / 60 Hz	
Insulation Strength	Withstands 2500 V for 1 minute	
Insulation Resistance	> 1000 Mega Ohms	
Coupling Capacitance	0.1 PF for 100 Db	
Common Mode Noise Attenuation	> 100 dB	
Ratings	1KVA – 100 KVA	3 KVA – 1000 KVA



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**Think Whats Behind your Power Stability**