

Transformers

Ultra Isolation Transformer (3 KVA to 1000 KVA)



Features & Benefits

Split winding constructions and bi-filar connections is made to reduce overall capacitance of the winding

High insulating materials and special shielding techniques have been used to minimize the noise

The core and its magnetic properties are chosen in a way that it displays enough leakage inductance, which in turn offers normal mode power line noise. This is in sync with the transfer of fundamental power frequency. All the higher frequencies are blocked

Transfer of electric noise is blocked by Unique Box shielding and apt techniques

Better regulation with low impedance effect

Shield against strong lightening, impulse noise, bus short-circuit, accidental discharge of capacitors, etc

Shield for the microprocessor-based machines and equipment from damage due to electrical noise, spikes etc

Transformer Range

Isolation Transformer	(3 - 1000 KVA)
Ultra Isolation Transformer	(3 - 1000 KVA)
K-Rated Transformer	(3 - 1000 KVA)

Technical Specifications – Ultra Isolation Transformer			
Capacity (KVA)	3-1000 KVA		
Related Standards	IS 2026, IS 11171		
Input Voltage and Output Voltage	A) 1:1	B) 1:2	C) Customized
Efficiency @ 100% Load	> 97.5%		
Regulation	2-4% for 100% change in current at Unity P.F		
Impedance	< 4%		
Connection	Delta / Star*		
Vector Group	DYn 11** for Delta / Star		
Operating Load Power Factor	0.75 Lagging to 0.75 Leading		
DC Galvanic Isolation	> 1000 Mega Ohms		
Dielectric strength	2.5KV, 50Hz for 1 Minute		
Coupling Capacitance	0.001 Pico Farads		
Line Leakage Current	< 20 Micro Amps		
Noise Attenuation	120 DB upto 10Khz 70 DB for range 10 Khz to 50 Khz 50 DB for range 50 Khz to 1Mhz		
Operating Temperature	0 to 45° C		
Insulation	Class F		
Degree Of Protection	IP 31		
Type Of Cooling	Air Cooled / Oil Cooled		
Metering	LCD display as OPTIONAL		
* Connection can be customized to customer requirement			
** Vector group will vary according to the connection			
NOTE: 1) Auto transformer available on request			
2) Single phase Ultra Isolation Transformer available on request			

All specifications are subject to change Custom models available on request

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