

Transformers

Isolation Transformer (3 KVA to 1000 KVA)



Features & Benefits

The use of high insulating materials and special shielding techniques results in an attenuating common mode and minimizes transverse mode noise

The core and its magnetic properties are properly selected to provide sufficient leakage inductance. This will give the greatest attenuation of normal mode power line noise possible, consistent with the transfer of fundamental power frequency, while all higher frequencies are blocked

Designed with split winding constructions and bifilar connections to reduce overall capacitance of the winding

Due to the better regulation, it does not generate common mode impedance coupling effect

Protect against strong lightning, impulse noise, bus short-circuit, accidental discharge of capacitors, etc

Protect 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 – 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% from 0.8 to unity power factor		
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	> 500 Mega Ohms		
Dielectric strength	2.5KV, 50Hz for 1 Minute		
Coupling Capacitance	0.1 Pico Farads		
Line Leakage Current	< 20 Micro Amps		
Noise Attenuation	100 DB upto 10Khz		
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 Isolation Transformer available on request

All specifications are subject to change

Custom models available on request

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