

Transformers

K-Rated Transformer (3 KVA to 1000 KVA)



Features & Benefits

High insulating materials and special shielding techniques are credited for the common mode and minimizing transverse mode noise

Designed with zig-zag construction, which nullifies the harmonic current

The core and its magnetic properties are selected in such a way that it allows enough leakage inductance to provide normal mode power line noise, which is in sync with the transfer of fundamental power frequency. All the higher frequencies are blocked

Unique box shielding and other apt techniques are used which block the transfer of electric noise

Better regulation with low impedance effect

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

Shield for the Neutral Harmonic Current and connected equipment will not be affected by electrical noise, spikes, surges, etc

Transformer Range

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

Technical Specifications – K-Rated 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	> 1000 Mega Ohms		
Dielectric strength	2.5KV, 50Hz for 1 Minute		
Coupling Capacitance	0.1 Pico Farads		
Line Leakage Current	< 20 Micro Amps		
Overload Inrush	200% full Load for 30 min		
K-Factor	K1 to K50		
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 K-Rated Transformer available on request

All specifications are subject to change Custom models available on request

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