

Transformers

(3 KVA - 500 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 electronic 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

Technical Specification

Transformer

3 KVA - 500 KVA

K-Rated Transformer	
Capacity	3 - 500 KVA
Related Standards	IS 2026, IS 11171
Input Voltage and Output Voltage	415 / 415 / 200, 220 / 415V
Efficiency @ 100% Load	> 95 to 99% Based on the Capacity
Regulation	2-4% from 0.8 to Unity Power Factor
Impedance	<4%
Connection	Delta / Star*
Vector Group	Dyn 11 / DZNO* (Optional)
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 10 to 30 mins based on winding material
K-Factor	K1, K4, K13, K20
Noise Attenuation	100 DB upto 10Khz
Operating Temperature	0 to 45°C
Insulation	Class F
Degree of Protection	IP 20
Type of Cooling	Air Cooled
Metering	LCD Display as Optional
Type of Transformer	Dry Vacuum Imprignated
Short Circuit Protection	MCB / MCCB Can be provided as an optional
Cable Entry	Rear Side at the bottom

* 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

3) All specifications are subject to change

4) Custom models available on request

5) Other voltage ranges available based on request

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