

# Dry Type Distribution Transformers



*An Energy Saving Equipment*



**Makpower Transformers Pvt. Ltd.**

33/1. N.S.Road, 2nd Floor, Room No. 235

Marshall House, Kolkata - 700 001

Call : 2231 3141, Tele-fax : 2221 3142

Website: [www.makpowertransformers.com](http://www.makpowertransformers.com)

Dry type transformers are class 'C' type insulated. The insulating materials used for these type of Transformers, having high dielectric strength and are capable to withstand high temperature. The temperature withstanding capacity is generally made to comply with IEC 76/IS 2026/IS 11171

□ Dry Type transformers are available in the following versions

- Open execution type for installation in an existing panel or enclosure.
- Well-Ventilated enclosure with lip cut louvers and baffles for indoor installation.
- Non Ventilated enclosure for outdoor installation.

□ Dry Type Transformers have the following advantages

- Use of non-biodegradable materials makes these suitable for strict environmental conditions.
- No fire or explosion hazards because of use of non-flammable materials and absence of any liquid insulation.
- Non-requirement of oil sump makes these ideally suitable for installation near load centers thus reducing cabling costs and improving voltage regulation.

□ Zero Maintenance

- Drastically reduced maintenance and clear looks due to the absence of any insulating liquid.
- A life cycle analysis would reveal the cost - effectiveness of Dry Type Transformers in long run through it requires a higher initial cost.
- Easy handling and access to active parts for inspection.

□ Dry type Transformers are ideally suitable for installations in

- Underground gassy mines.
- Petrochemical refineries
- Multistoried buildings.
- Business Blocks & Supermarkets.
- Congested Metropolitan urban areas.
- Underground Railways.
- Airports.

### Range

Present product range includes transformers up to 3000 KVA, 11KV / 33KV class.

### Electrical Components

The coils and all current- carrying parts - are vacuum impregnated with silica-varnish or resin casted under vacuum in a controlled environment preventing contamination by ambient outdoor air, industrial environments, salt spray and other.

## Testing

The coils and later the core and coil assembly are tested before proceeding to the next stage. All routine tests are performed on all completed as per IS/2026.

## Satisfied Customers

Name of the Firm	Transformers Specification	Nos.
Vardaan Market (Verdaan Improvement Pvt. Ltd.) Kolkata	1600 KVA, 6000/415 Volts	1
Diamond Group (Stellar Properties (P) Ltd.) Kolkata	1500 KVA, 6000/415 Volts	1
Berger Paints India Ltd. Jammu	1250 KVA, 11000/433 Volts	1
Metro Railway Kolkata	1000 KVA 11000/415 Volts	3
Haldiram Bhujwala (Ruby Developers Pvt. Ltd.) Kolkata	750 KVA, 6000/433 Volts	1
Regent Market (Bhagwati Plasto Works (P) Ltd.) Howrah	750 KVA, 6000/415 Volts	1
Star Theatres Kolkata	630 KVA, 600/433 Volts	1
Globe Theatres Pvt. Ltd. Kolkata	500 KVA, 6000/415 Volts	1
Metro Railway Kolkata	315 KVA, 11000/433 Volts	1
Lux Group (A.B.Industries) Kolkata	200 KVA, 11000/433 Volts	1