

Дежурный трансформатор инвертора

Технические характеристики

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Inverter Duty Transformer

Raychem RPG offers a wide variety of Inverter duty transformers with two inverter windings to six inverter windings. Raychem leads the market and is the 1st manufacturer who developed five winding transformers and passed short circuit test. We are market leaders and hold more than 20% market share in Inverter duty transformer.

Raychem offers inverter transformers with many innovations in order to reduce the cost of solar plants. The four inverter windings and six inverter windings transformers have made it feasible to reduce HV side hardware. The ever increasing rating of inverters have pushed the rating of inverter transformers from 2 MVA to 12.5 MVA in a brief span of 5 years.



Features and Advantages:

- Suitable for Solar load profile
- Inverter windings are specifically designed to withstand voltages excursions that arise due to pulsed mode inverter operation
- Inverter windings are capable of withstanding voltages with rate of rise (dV/dt) up to 500V/p.s to ground
- Galvanically isolated inverter winding for each inverter
- Electrostatic shield between inverter winding and MV winding
- Windings : Aluminium and Copper
- Inverter winding could be star/delta. In case of star winding neutral not to be grounded
- Low no load losses
- Also available in dry type construction.

Segments Supply

Renewable energy (Solar applications)

Raychem RPG designed and developed 3 phase Pad Mounted Transformer as per IEEE standard. The Pad Mounted Transformer consist of transformer with HV and LV side protection and having option for operation on ring feeders. The HV side consist of fuses for short circuit and thermal protection and load break switch for isolation. The LV side consist of MCCBs and fuses as per customer requirement. The HV and LV connections and protections are accessible through front open compartments having duly interlocked doors. Thus Pad Mounted Transformer is complete in all respect to replace a Compact Substation.

The basic advantage lies in the smaller footprints offered by Pad Mounted Transformer compared to Compact Substation. The Pad Mounted Transformer is specifically suitable for Urban distribution system wherein each Pad Mounted Transformer can cater to one building/housing complex. A hood over the tank, accessible through the cabinet, provides protection against tampering and the environment. The available range from 300kVA to 4000kVA up to 33kV primary voltage and up to 600V at secondary side.

Features and Advantages

- Reduction in footprints compared to Compact Substation and distribution Transformer Substation
- Supplied Completely assembled, requires less time for commissioning.
- Ideally suited for Metro cities
- Available with mineral oil/ ester fluids
- Reduced environmental impact

Segments Supply

- Urban Utility
- Industries
- Standalone power supply system for remote areas

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