

INVERTER TRANSFORMER



Inverter transformers are voltage-fed type of power transformers. They are often known as electronic transformers due to their application in low scale power conversion. These inverter transformers are used where the DC power supply is available but AC input is required for a power-driven

device. The inverter performs DC to AC conversion and further, the transformer can be used as a power transformer for a step up or step down applications, which is why they are considered special type performers. Primarily, the inverter assembly consists of an integrated circuit, which acts as an oscillator. In some circuits, the integrated circuit is powered by stored energy from a capacitor.

TECHNICAL SPECIFICATIONS

CAPACITY

- Up to 1000kVA

RATED VOLTAGE

- Up to 1000V

RATED FREQUENCY

- 50Hertz
- 60Hertz

AMBIENT TEMPERATURE

- 40°C
- Others upon request

INSULATION CLASSIFICATION

- Class F & H
- Others upon request

REFERENCE STANDARD

- IEC 60076
- IEC 61558

TRANSFORMER CORE MATERIAL

- High grade electrical steel

WINDING CONDUCTORS

- Copper or Aluminium wire
- Copper or Aluminium foils

OPTIONAL ACCESSORIES

- Enclosures up to IP54
- MCCB with or without shunt trip
- Ammeter and Voltmeter
- Temperature controller
- Fan fail alarm
- BMS open relay contacts