



TTR Cast resin transformers

ELECTRICAL DATA & DESIGN FEATURES

Rating Power: Up to 30 MVA

Service:

- Distribution
- Solar
- Windmill
- Mining
- Off-Shore and On-Shore
- Oil & Gas
- Hydropower
- Step-up / Step-down
- Low temperatures installation
- High vibration conditions
- Mobile substations
- Rectifier multiple pulses
- Excitation
- Converter
- Crane duty
- Traction
- High current
- Testing laboratories
- Magnetization equipment

Construction Type:

- Simple concentric or multiple concentric
- Tier Construction with or w/o intermediate joke

Cooling: AN - AF - AN/AF - AFWF - WF

Standards: Any Standard applicable

Primary Winding: Single or multi-primary voltage design

Max Working Voltage (U_m) Up to 40.5 kV

Voltage Regulation:

- No Load Tap Changer (NLTC)
- On Load Tap Changer (OLTC)

Secondary Winding: Single or multi-secondary windings design

Insulating Level Up to L.I. 200 kV

Winding Conductors: Cu or Al

Insulated Class: B - F - H

Transformer Protection Degree: Up to IP 66 enclosure

Ambient Temperature: From (minus) -50°C to MAX required design

Altitude of installation: Up to 4500 m

Environment–Climate–Fire Class: E2 - C2 - F1

Installation:

- Arctic areas
- Desert conditions
- Off-Shore/Marine
- Seismic Areas
- Heavy duty (Steel & metal process)
- Special environment (panting process)
- Low noise areas
- Traction duty
- Nuclear

ACCESSORIES ON REQUEST

A wide of state of the art accessories available for:

- Life safety equipments
- Fire detection
- Power quality integration
- Auxiliary & terminal boxes
- Integration with bus-duct systems
- Forced cooling
- Life cycle monitoring unit device
- Any other special needs if applicable

SPECIAL & TYPE TEST FILES

Wide list of special & type tests performed as:

- EMC
- Lower temperature resistance
- Temperature rise with consecutive overloads duty cycles
- Short circuit tests
- Seismic tests
- etc...

ALL KIND OF DESIGN IMPLEMENTATION AVAILABLE ON REQUEST (if applicable)

