

**EVA Elektromekanik, founded in 2017, specializes in manufacturing high-reliability and quality electrical distribution products, tested in both local and international laboratories. The company produces a variety of equipment such as low-voltage distribution panels, mobile, metal, and concrete substations, as well as medium and low-voltage compensation systems. With exports to more than 20 countries, EVA seeks to expand its global reach by offering fast, cost-effective, and customer-oriented solutions, maintaining a commitment to superior innovation and quality.**

# T R A N S F O R M E R S

## *Oil Immersed Transformers with Conservator*

### **Standard Features:**

- High-voltage bushings according to DIN 42531 or EN 50180
- Low-voltage bushings according to DIN 42530 or EN 50386
- Load and off-load tap changer
- Tank made of corrugated walls
- Pocket for thermometer
- Contact thermometer (for transformers  $\geq 630$  kVA)
- Buchholz relay (on request or for transformers  $\geq 1000$  kVA)
- Lifting lugs
- Nameplate
- Grounding terminals
- Oil filling hole with cap and drain valve
- Bidirectional rollers -  $90^\circ$



## *Oil Immersed Hermetically Sealed Transformers*

### **Standard Features:**

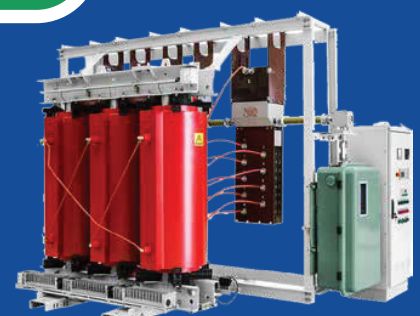
- HV bushings according to DIN 42531 or EN 50180
- LV bushings according to DIN 42530 or EN 50386
- Load tap changer and no-load tap changer
- Corrugated tank walls
- Contact thermometer (for transformers  $\geq 630$  kVA)
- Thermometer pocket
- Safety valve
- Lifting hooks
- Nameplate
- Grounding terminals
- Filling cap and drain valve



## *Dry Type (Cast Resin) Transformers*

### **Standard Features:**

- Rated Power: From 50 kVA to 2500 kVA
- Voltage Level: From 1.1 kV to 36 kV
- Frequency: 50 or 60 Hz
- Vector Group: Single-phase or three-phase transformers with the possibility of star and/or delta connections
- Number of Windings: Connections on any of the windings
- Manufacturing Possibilities: Transformers with primary + secondary, dual secondary, and other types as required
- Cooling: Natural or forced air cooling, according to IEC 60076, AN, and AF



## Transformers Stations



The MT/BT EVA Transformer Stations are designed to operate in indoor or outdoor environments, featuring compartments for medium voltage (MT), transformers, and low voltage (BT).

They can be manufactured from monolithic concrete, prefabricated concrete, galvanized sheet metal, or aluminum, according to specific requirements. These stations utilize C35 concrete for concrete structures and 2 mm galvanized steel for metal stations.

## Mobile Transformer Stations

Mobile Transformation Stations can be manufactured in different models and dimensions to meet urgent energy needs caused by natural disasters such as earthquakes, storms, and floods. Additionally, these stations are suitable for supplying the growing energy demand in tourist areas during the summer and in regions where the power supply is insufficient or interrupted. These substations are designed for MV-LV, MV-MV, and HV-MV voltage levels.



## EVA-MS Metal Sheet Stations



### Standard Features

- Frame and Roof Thickness: Structure: 3 mm, Roof: 2 mm
- Door Materials: Galvanized steel or aluminum sheet
- Ease of Transport: Lightweight
- Flexible Design: Various sizes and shapes according to customer requirements
- Sheet Coating: Coated with high-temperature zinc to prevent rust
- Ventilation: Standard natural ventilation, with the option to add fans and air conditioning
- Painting: Powder-coated finish
- Protection Class: IP23 (contact us for different requirements)
- Electrical and Grounding System: Equipped with internal electrical and grounding systems
- Insulation: Insulation against heat and cold

**DISTRIBUTION CENTERS:** Distribution centers are equipped with medium voltage equipment (with capacities ranging from 1 to 40.5 kV), low voltage distribution boards, control panels, and signaling systems, which can be provided together or separately. They typically consist of a single compartment, but the number of compartments can be increased according to the project.

**TRANSFORMATION CENTERS:** Transformation centers feature medium voltage equipment (with capacities ranging from 1 to 40.5 kV), low voltage distribution boards, control panels, and signaling systems, which can also be supplied together or separately. They generally consist of three compartments, but the number of compartments can be increased according to the project.

These compartments are:

**Medium Voltage Switching Compartment:** Includes switching equipment up to 40.5 kV.

**Transformer Compartment:** Houses distribution transformers up to 2000 kVA.

**Low Voltage Compartment:** Contains low voltage distribution boards, control panels, and command systems.