

Distribution transformers

Reliability, efficiency and high performance

We offer a wide range of distribution transformers. We are committed to being a flexible expert partner worldwide. Working alongside the customer, we identify individual needs to ensure we provide optimal solutions, whether the customer's main focus is on advanced solutions, guaranteed delivery, service, reduction of total cost of ownership or global supply.



Product portfolio

ABB offers a complete range of distribution transformers designed to grant the reliability, durability, and efficiency required in utility, industrial, and commercial applications. ABB's liquid-filled transformers are manufactured in accordance with the most demanding industry and international standards.

Green portfolio

The broad portfolio of green distribution transformers allows customers to select the most appropriate product to fit their needs. Our transformers stand for efficiency, environment and economy. They are built to reduce energy losses, improve energy efficiency, battle environmental impact and increase overload ability.

Energy efficiency

Our technologies are used along the entire energy value chain in both the utility and the industrial sectors. ABB enables customers to maximize the value of energy used to improve their competitiveness while reducing environmental impact and enhancing sustainability. Solutions from ABB can help customers achieve:

- Reduced energy costs
 - Reduced greenhouse gas emissions
 - Reduced need for additional generating capacity
- Energy efficiency improvements can also provide additional operational benefits, such as improved productivity, improved quality, and reduced maintenance burdens.

Product scope definition

- Rated power: 50 - 10,000 kVA
- System voltage: max. 36 kVA 200 BIL
- Cooling: ONAN, KNAN, ONAN/ONAF, KFAF, KFWF
- Coolers: corrugated wall or radiator
- Oil preservation: hermetically sealed or conservator/free breathing
- Tap changer: off-circuit or on-load
- Cooling medium: mineral oil, Midel
- Steel type core clamping system
- High voltage (HV) multilayer winding
- Low voltage (LV) foil winding or layer winding
- Winding materials aluminium or copper
- High temperature class transformers
- Low noise solution
- Efficient transformers with reduced losses
- Liquid-filled

Special applications

- Transformers for pad mounting and compact secondary substations (CSS)
- Transformers for renewable (solar and wind)
- Dual voltage transformers
- Auto-transformers
- Amorphous metal distribution transformers (AMDT)
- Transformers for variable speed drives
- Transformers with special cable boxes (filled with air or coil)