



Power Transformers

We design, manufacture and supply cold rolled grain oriented steel (CRGO), double wound power transformers up to 200 MVA. Our power transformers are available both liquid filled (typically Oil or Midel) or dry type (Cast Resin).

SUPPORT AND COMPLIANCE

We support all power transformer projects with a dedicated account manager and expert design engineers to deliver a solution that best suits your needs. We follow a continuous improvement policy and ensure that our power transformers comply with the highest standards of modern power systems.

All of our transformers are manufactured in accordance with internationally recognized standards (BS, IEC and ANSI) and comply with the EU Eco Design Directive for transformers (where applicable).

YOUR BENEFITS:

- Short lead times
- Dedicated account manager
- Modern technology
- Proven quality and reliability
- Engineering support
- Custom specifications



24 MONTH GUARANTEE

Our power transformers come with an industry leading 24 month guarantee from dispatch.

Transformers are manufactured in accordance with internationally recognised standards for electrical transformers (BS, IEC and ANSI). Extended warranty times can be provided where required.



“ I wanted to develop a relationship, something that was more than “how do you buy transformers - I can do that with Wilson’s.

Managing Director,
ESM Power Ltd





POWER TRANSFORMERS TECHNICAL CHARACTERISTICS

Oil or Midel immersed power transformers	Conventional free-breathing, hermetically sealed or with conservator
Manufacturing standards	ANSI, BS, IEC or custom specification
Rated Power	3 MVA up to 200 MVA
Primary Voltages typically	11, 22, 33, 66, 90, 132, 220 kV or custom specification
Secondary Voltages typically	3.3, 6.6, 11, 33, 66, 132 kV or custom specification
Phases	Single and three phase transformers
Tappings	On-load or off-load tap changers
Voltage regulation	Via onload tapchanger (with AVR relay as standard)
Rated frequency	50 or 60 Hz
Vector groups	Dyn11 or any other vector group as per IEC 60076
Temperature rise	60/65C or custom specification
Cooling type	ONAN (oil natural air natural) or other types of cooling such as KNAN (max 33kV) on request
Radiators	Tank mounted cooling radiator panels, separate cooling banks or heat exchangers
HV & LV terminals	Air cable box type (33kV max) or open bushings
Installations	Indoor or Outdoor
Sound level	As per ENATS 35 or NEMA TR1

TYPICAL APPLICATIONS:

- Step down distribution transformers
- Step up generation transformers
- Wind farm transformers
- Solar PV farm transformers
- Motor starting transformers
- 6 Pulse and 12 Pulse rectifier transformers
- Earthing transformers
- Isolation transformers
- Korndörfer autotransformer starter

TYPICAL ACCESSORIES:

- Oil temperature indicator (OTI)
- Winding temperature indicator (WTI)
- Magnetic oil level gauge (MOG)
- Forced fan cooling
- Marshalling box
- Pressure relief device (PRD)
- AVR relay and control panel
- Bi-directional rollers
- Radiator valves
- Dehydrating breather

