

*We can do that!*

## General Purpose Low Voltage Transformers (600V and below)

- 15kVA to 1000kVA
- Three Phase
- Aluminum or Copper
- Voltages to 600V
- Frequencies to 400Hz
- BIL ratings thru 60kV
- Temperature Rises:  
80°C, 115°C, 150°C



## Skillfully Designed for Over 50 Years

Olsun Electrics meets user specified and desired features by utilizing the most advanced and superior materials in our transformer construction. The outcome is expectation surpassing performance, application reliability and transformer life longevity.

Each transformer is skillfully designed utilizing over 50 years of engineering experience and design optimization checks, drawing on accumulated test data (i.e. temperature, dielectric, impulse) to validate current designs. The resulting product has excellent thermal characteristics meaning minimum hotspots, resilience to overload conditions and some of the longest life expectancy in the industry. All products are designed, manufactured and tested right here in the United States and in accordance with the latest applicable UL, cUL, NEMA, ANSI and IEEE standards.



**Engineered and Assembled in Richmond, IL USA**



## Standard Features

- Aluminum coil winding conductors
- Coil construction to minimize short circuit stresses
- Brazed or welded coil construction
- Highest quality grain oriented electrical grade core steel
- Efficiencies to latest/current industry standard
- Easily accessed terminals, including single side access as needed
- Intuitive no-load tap changing arrangement
- Core and coil assembly sealed in high quality insulating electrical grade varnish
- Multiple stage manufacturing testing and quality control procedures
- Core and coil noise isolation pad construction for sound levels per NEMA ST-20
- Eight stage enclosure paint process with electrostatically applied TGIC polyester powder coat
- NEMA 1 enclosures
- Designed, Manufactured and Tested in the United States

## Designed Solutions through Customization

Olsun of course has the ability to provide industry standard type transformer products. A greater significant benefit is Olsun's ability to customize the product to meet specific user application requirements which are not available on an over-the-counter, designed for stock product. Because Olsun manufactures to order, requirements such as step-up applications, special dimensions, inrush limitations, termination locations, impedance needs and other atypical application driven requirements pose no problems for our "designed solution" approach. Review the Standard and Optional Features to see some of what is available to address your requirements and contact Olsun for any additional needs.

## Optional Features

- Copper windings
- 115°C, 80°C or other temperature rise values available
- Non-standard maximum ambient temperature values available
- NEMA 3R or Totally Enclosed, Non-Ventilated (TENV) enclosure designs
- Compartmentalized, utility style high security pad mounted construction
- Substation style enclosure arrangement for close coupling to gear
- Enclosure Paint Color matching
- Stainless Steel enclosures (Standard 316 grade. 304 grade available)
- Single, double or triple Electrostatic shield
- K Factor ratings
- Noise Attenuating designs
- Third order Harmonic Mitigating designs
- Multi-pulse (6, 12, 18, etc.) rectifier designs
- Low inrush designs
- Step-up application designs
- Scott type or phase changing designs
- Fan cooling
- Vacuum Pressure Impregnated coils
- Surge arresters
- Special fusing, breakers or switches available

**Transforming the Industry with:  
Handcrafted Quality • Sophisticated Designs • Superior Materials • Olsun Flexibility**

Olsun Electric is a leading dry type transformer manufacturing company that has been providing solutions in the most challenging environments for over five decades.