Enercon Dual Voltage Change-Over Systems are for applications requiring frequent reconnection of generator windings. This includes rental generators, sewage lift stations, and multi-site portable generators using different service voltages.

Instead of removing the generator terminal cover to reconnect and tape generator winding leads, which can take several hours, the reconnection system allows this change in a few minutes.

Enercon offers two types of Dual Voltage Change-Over Systems. The link board type is a simple, low cost means of changing generator windings between series or parallel wye connections. The Enercon Dual Voltage Switch System offers the same capability but requires even less time for reconnection.
With over 37,000 projects in 110 countries around the world, Enercon is a leader in the power generation industry.

Enercon's unique "Complete Systems" approach enables us to totally meet and exceed the requirements and specifications on every customer project.

Enercon's Dual Voltage Change-Over Systems are a part of this "Complete Systems" approach and allow our customers to easily and quickly reconnect generator winding connections on applications where such capability is needed.

**FLOOR STANDING DUAL VOLTAGE SYSTEM**

**DUAL VOLTAGE SWITCH SYSTEM INTERIOR VIEW**

**RELIABILITY:**
- Eliminates possibility of incorrect lead connection
- Use of center stud breaker or solid state adjustable trip breaker assures adequate generator protection

**COST SAVINGS:**
- Reduced labor cost versus conventional lead reconnection and taping
- Single breaker, center studded or adjustable solid state trip provides generator overcurrent protection at each voltage (output current level) without the need for two circuit breakers

**FLEXIBILITY:**
- Generator mounted dual voltage systems available for generator frames up to 350 kW
- Floorstanding dual voltage systems available to 4,000 amperes
- Standard design utilized for 10 lead generators
- Series and parallel wye connection plus other connections available when utilized with a 12 lead generator
HOW THE DUAL VOLTAGE SYSTEM WORKS

RECONNECTION BOARD

The generator windings are connected to the studs of the reconnection board.

When the link board is placed in the low voltage position on the reconnection board, the generator phase windings are connected in parallel.

The low voltage connection produces the highest amperage rating.

When the link board is placed in the high voltage position, the generator windings are then connected in series. The series high voltage connection produces the highest voltage available from the generator but the amperage available is only one half of the low voltage connection.

CHANGE OVER SWITCH

The optional dual voltage change over switch provides a faster foolproof method of changing generator voltage output.

SOLID STATE TRIP CIRCUIT BREAKERS

Dual voltage systems utilizing solid state trip programmers are easily set to provide generator overload and short circuit protection.

CENTER STUD CIRCUIT BREAKERS

Center stud breakers provide overload and adjustable short circuit protection for the generator. No adjustments are required when changing between voltages.
For over three decades, Enercon Engineering has been a leader in the worldwide power generation industry. With over 37,000 projects worldwide, we have built a solid reputation for integrity, high quality, and expertise in the design and manufacturing of engine generator controls, switchgear, packages & enclosures, and cogeneration units.

CONTROL SYSTEMS
At the heart of any power generation system is the performance and reliability of the control systems. While control systems are often integrated into the switchgear lineup, other options include:
- FREE STANDING CONTROL LINEUP
- CONTROL CONSOLES
- WALL MOUNTED

PACKAGING & ENCLOSURES
Enercon custom engineered power generation packages and enclosures either diesel or natural gas fueled, standard shipping containers or small trailers, weather proof or sound attenuated, mobile or skid mounted can meet your needs and specifications.

SWITCHGEAR
Enercon is a leading manufacturer of custom designed switchboards, switchgear, and controls. We can design equipment rated 600 to 15,000 volts. Enercon is a UL client company and can provide UL listing on equipment to certify compliance with UL-508A, UL-891, UL-1558, ANSI C37.20.1, and ANSI C37.20.2 standards.

COGENERATION, COMBINED HEAT & POWER
In addition to generating electric power, Cogeneration and CHP (Combined Heat & Power) increases fuel efficiency by harnessing useful heat energy for various purposes from a single engine without increasing operating costs. Recovered heat utilization applications can include direct space heating, water heating, process heat, material drying/curing, steam or pre heat for steam, and absorption chilling for air conditioning or refrigeration.

COMPREHENSIVE TESTING
All Enercon custom engineered and manufactured controls & switchgear are 100% tested in our factory test center prior to shipment.
This comprehensive test center also enables us to offer a full range of testing services on all Enercon products including customer witness testing, performance testing, system testing with switchgear, paralleling tests.