

## Metal-Clad Switchgear

# Related Products

### Small Power Transformers

Coordinated for total electrical and mechanical performance in primary and secondary unit substations, ABB supplies the widest variety of Small Power Transformers from a single manufacturer. Standard features include aluminum or copper windings, fan cooling packages, sophisticated monitoring devices for load and temperature detection, and premium paint finishes.

#### Liquid Filled Technologies

The rectangular core and coil design is a distinguishing characteristic of ABB

liquid filled transformers. This proven design features dependability, ruggedness, and space saving

economy needed in industrial, commercial and utility applications. A choice of trans-

former fluids, including oil, silicone, R-Temp® fluid, and BIOTEMP™ available with most ratings.

Power center and unit substation transformers can be close coupled to associated switchgear using flanges or throats. Cables connect in air terminal chambers.

ABB Small Power Transformers utilize step-lap mitered core joints to ensure optimum performance.

Application of step-lap core joints have results in decreased exciting currents up to 40%, reduction of sound level up to 3 decibels and of no-load losses up to 10%.

ABB Small Power Transformers are manufactured to the international quality standards of ISO-9001.



*Power Center*



*Substation*



*NEMA 3R Outdoor Enclosure*



*NEMA 1 Indoor Enclosure*

## Dry and Cast Technologies

ABB offers a full range of dry type transformers with proven designs for indoor or outdoor applications.

DURACAST™ vacuum cast transformers fulfill the need for higher operating voltages, superior dielectric demands and harsh environments.



*DURACAST™*



*RESIBLOC®*

RESIBLOC® transformers provided ultimate mechanical strength to withstand thermal and mechanical stresses associated with severe climates, load cycles, and short circuit forces.

VPE (Vacuum Pressure Encapsulated) transformers provide enhanced protection against moisture, salt air, dust and industrial contaminants.

VPI (Vacuum Pressure Impregnated) transformers are designed to meet most industrial and commercial applications.



*VPI*

*VPE*