



Highlights

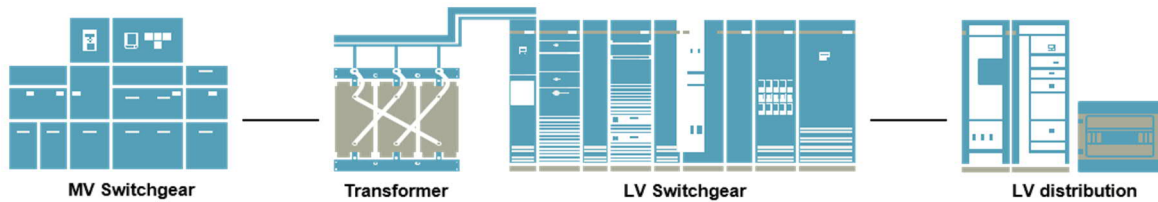
Siemens Cast Resin Transformers

Ratings: Up to 50 MVA, 52 kV

Applications: Power Distribution, Compact substations, Rectifier / Drive Duty, Step Up/Down, Unit Aux

Market focus: Data Centers, Automotive, Metals & Mining, Pulp and Paper, Oil & Gas, Food & Beverage, Buildings, Renewables

Complete Solution for our customers!



Safe and reliable

- High power-frequency voltage and impulse strength
- Partial discharge ≤ 5 pC at twice rated voltage (exceeds IEEE) = longer equipment life
- High overload capability
- Over 100,000 units worldwide in operation
- MTBF rate over a 10-year period is 0.066%
- Resin mixture – self-extinguishing (does not propagate fire)
- Siemens developed this technology 50 years ago
- Can be installed in low temperature ambient (up to -45°C) and aggressive atmosphere.

Environmentally acceptable

- Oil free = No leaks, no risk of explosion
- Low noise level
- >94% of the material can be recycled
- No risk of toxic gas from the CRT in case of fire

Economical

- Less cabling costs – Can be close coupled with breakers and gears
- Flexibility: easy installation
- No special rooms or protection required (e.g. fire walls)
- Low maintenance costs
- Can be connected to vacuum circuit breakers with no need of surge protection as snubbers

Born connected

- Units above 2 MVA are equipped with **Sensformer™** for remote monitoring
- Measurements:



Transformer Temperature



LV winding current



GPS location

