

Gas Insulated Transformer(GIT)

Safety Transformer

Non-flammable and non-explosiveFlexible arrangement

IEC-60076 part 15 gas-filled power transformers enacted in 2008



Non-Flammable and Non-Explosive

Comparison of Oil-Immersed Transformers (OIT) and GIT



Features

- SF₆ gas is non-flammable
- Non-flammable and non-explosive

Advantages

- No firefighting system required
- Lower total volume

Flexible Arrangement

Flexible Radiator Arrangement

SF₆ gas has an extremely low density, making the flexible arrangement of radiators possible.

Features

- Top-mounted cooler
- Cooler can only be mounted outdoors

Advantages

- Reduced cooler maintenance costs
- Easy to replace coolers in under-ground S/S





Easy Maintenance

Maintenance Comparison with OITs



Reduced Installation Times and High Reliability

Comparison of Installation Schedules and Transportation Volumes

31%

20%

10%

Installation Schedules

 Installation schedule for a GIT is approximately 25% shorter than for an OIT



GIT

0%

 Transportation volume of the GIT is approximately 25% less than the OIT.



50%

60%

23%

40%

MITSUBISHI ELECTRIC CORPORATION

30%

2% SF6 gas

80%

90%

100%

70%