

Eco-efficient MV Switchgear without SF₆

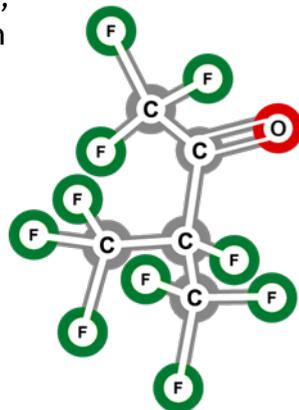
Innovation leader ABB

SF₆ insulates three times better than air; it is a proven technology with over 50 years in worldwide use.

After years of research in a strong partnership with 3M, ABB has developed an alternative to SF₆ insulation.

AirPlus™ is used in the world's first eco-efficient GIS with a new gas molecule that has a 99.99% lower Global Warming Potential than SF₆.

ABB's AirPlus™ solutions keep the same compact, safe, and reliable design of our SF₆ switchgear products and provide eco-efficient solutions with IEC ratings up to 24kV, 630A, 16kA.



Ratings:

IEC ratings up to 24 kV, 630 A, 16 kA

Functional units:

Circuit-breaker (V) unit

Load-break switch (C) unit

Direct connection with earth (De) unit

Coverage:

Global acceptance with eco-friendly design

Benefits:

- Keeps proven and safe low-pressure design of a true GIS
- Highest reliability: no maintenance and no gas refill during installation or over lifetime



SafeRing
Air 12 kV

SafePlus
Air 12 kV

SafeRing
24 kV

SafePlus
24 kV

SafeRing
36 kV

SafePlus
36 kV

(not yet available with IEEE / ANSI ratings)

(not yet available with AirPlus)

For 12 kV and 20kA, also available with 100% dry air and GWP = 0