

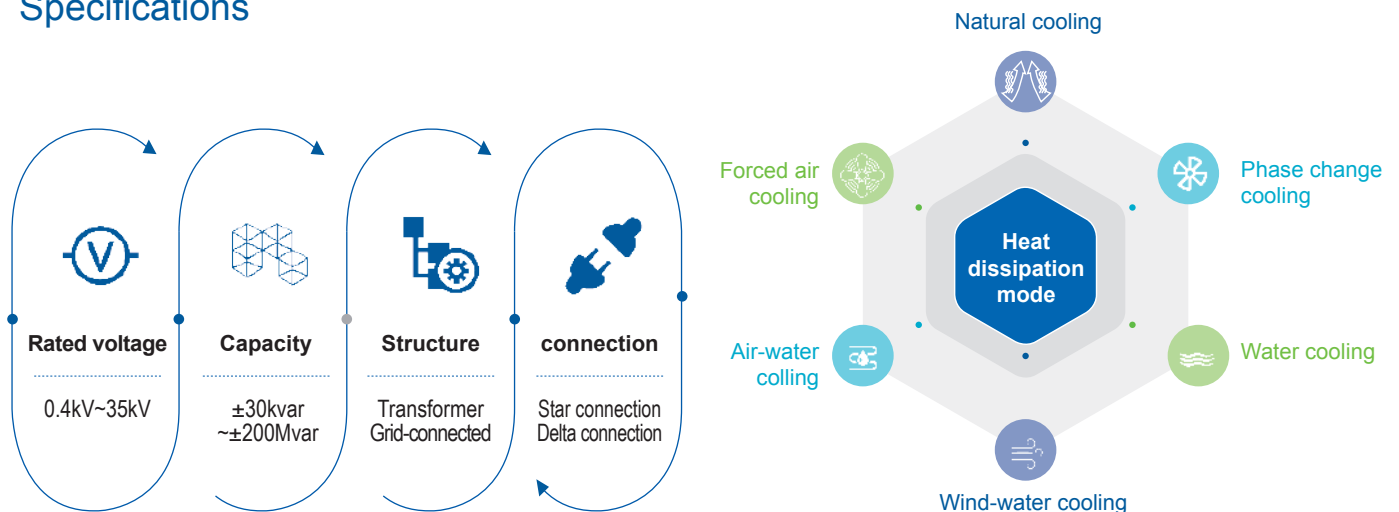
# FGSVG Static Var Generator

## Introduction of FGSVG

With multi-DSP+FPGA as the control core, FGSVG adopts instantaneous reactive power theory control technology, FFT fast harmonic calculation technology, and high-power IGBT drive technology. With high reliability, easy operation, and high performance as the design goals, it can quickly and continuously provide capacitive or inductive reactive power, achieve constant check point reactive power, constant voltage, constant check point power factor, and comprehensive compensation in various control modes. The device can not only automatically compensate for reactive power but also dynamically compensate for harmonics, ensuring the stable operation of the power system.



## Specifications



## Advantages

- **Safe and stable:**strong voltage ride through performance, stable operation without grid disconnection
- **Fast response:**response time less than 5ms
- **Rich modes:**featuring multiple compensation modes to accommodate various on-site requirements
- **Convenient maintenance:**modular design for easy installation and maintenance, with power cells capable of automatic bypass
- **Structure:**designed according to reference standard container dimensions, with high power density and small footprint
- **Rich models:**covers multiple voltage levels and various power capacity

## Application fields

Sources - Wind power, solar power



Grid - Various stations, substations



Load—Mining, metallurgy



Storage - Energy storage stations

