

Static Var Generator for Reactive Power Compensation

The static var generator compensates for reactive power, harmonics, and regulation imbalances using power electronics. It finds primary application in hospitals, commercial plazas, manufacturing, data centers, charging piles, airports, and photovoltaic industries.



ADDITIONAL IMAGES



Product Overview

Advanced Static Var Generator

This high-performance static var generator is designed for advanced reactive power compensation, harmonic filtering, and load balancing in complex electrical environments. Utilizing an imported IGBT architecture and DSP digital control, the system ensures rapid response times and high efficiency for critical infrastructure. Its modular design promotes easy maintenance, while the intelligent interface allows for seamless remote monitoring and control in industrial or commercial settings.

Performance Metrics

Key Performance Metrics

5 ms

Full Response Time

98 %

Efficiency

0.99 pf

Compensation Effect

20 kHz

Switching Frequency

Technical Specifications

Dimensions (L*W*H)	450*622*201mm
Self-Loss	2 %
Harmonic Filtration Range	5th, 7th, 9th, 11th, 13th

Features

Core Capabilities

- Reactive power compensation
- Harmonic filtering
- Three-phase imbalance management
- Remote PC monitoring
- Modular design architecture

Applications

Target Industries

Hospitals • Commercial Plazas • Manufacturing • Data Centers • Charging Piles • Airports • Photovoltaic