



## 33kV Gas Insulated Switchgear

NEPEAN Power 33kV Gas Insulated Switchgear are a pivotal component within 33kV primary substations. Designed for efficient energy distribution, our Gas Insulated Switchgear boasts a compact size, minimising spatial requirements. It's innovative design contributes to reduced maintenance, ensuring operational longevity and efficiency.



- Type tested to IEC 62271-100
- High current levels achieved via single and double busbar solutions
- Visual busbar earthing and isolation switch facility for enhanced operational safety
- Plug or fixed voltage transformers
- Arc fault containment
- Australian electrical engineered and designed
- Compact design with low height of 2300mm
- One of the lowest installation heights in the industry
- 700mm power cable compartment height for easy connections
- Large cable termination areas
- Efficient footprint sizing to minimising switch room area
- Top 5 largest manufacturers internationally
- Fully electrically controlled
- Multiple design options and configurations to suit specific requirements

### Overview

At NEPEAN Power, we specialise in the design, engineering and manufacturing of 33kV Gas Insulated Switchgear for the energy and infrastructure, mining and renewable sectors.

Our Gas Insulated Switchgear is manufactured in world-class manufacturing facilities that adhere to the highest safety and quality standards. Our solutions are provided ready-to-connect and we also offer site commissioning and testing upon installation.

### Ratings & Certifications

- Type Tested to IEC 62271-100
- AS3000 compliant
- CTs and VTs (NATA Test Optional)

### Applications

**Renewables** - Solar, wind (onshore & offshore) etc.  
**Utilities** - Transmission and distribution networks  
**Power Generation** - Hydro, nuclear, thermal etc.  
**Industries** - Mining, minerals and metals, oil and gas, transportation

### Available Options

- Infrared viewing windows
- Busbar system visual earthing switch
- Overhead busbar earthing switch
- Busbar system voltage transformers
- Additional CT compartment in power cable area
- Multiple brands of protection relays available

### Testing

- Additional partial discharge testing (available 20PC each panel (5PC available upon request))