

# Medium Voltage Switchgear



NEPEAN Power provides engineering services to provide design, project management, manufacturing, commissioning, training and ongoing lifecycle management services. Our extensive experience in engineering and design as well as the ability to manufacture quality equipment, allows us to provide solutions from minor projects through to large turnkey infrastructure.

## ELECTRICAL & ELECTRONIC DESIGN EXPERIENCE BUILT UP SINCE 1994

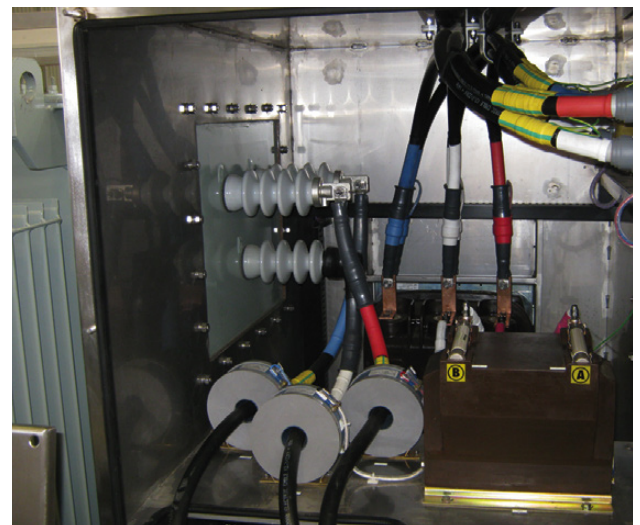
### High Voltage - MV Switchgear

NEPEAN Power's Medium Voltage Switchgear including section circuit breakers, switchboards and high tension ends, etc, are designed using the latest technology and software in design development allowing our solutions to be the most innovative and safe.

NEPEAN Power's switchgear is fully tested prior to delivery to our client's worksite. NEPEAN Power's testing facilities ensure the finished product is safe and fully compliant with the Australian and Mining Standards.

### Benefits

NEPEAN Power's switchgear enclosures are manufactured from stainless steel (or mild steel on request) and incorporates viewing windows for ease of physical monitoring.



The switchgear allows for a heavy duty galvanized skid base that allows for ease of movement. The section circuit breaker includes a heavy duty galvanized skid base that allows for ease of movement.

# Medium Voltage Switchgear

Typical NEPEAN Power MV Switchgear includes:

- Ausproof adapters
- HV circuit breaker
- Isolation switch
- Earthing switch
- Padlocking facilities
- Transformer
- Protection relay
- Fault driven power supply
- Earth leakage protection system
- Flag relays
- External switched socket outlet
- External lighting
- NER
- Load centre and ELCB's
- Anti condensation heater and thermistor
- Voltmeter
- Control circuit breakers and associated EL protection



## Benefits of NEPEAN Designs

### Local Experience

- Australian designed with local knowledge
- Capability to manufacture locally or globally increases price competitiveness

### High Quality, Robust & Efficient

- Intense factory testing ensures compliance with Australian Standards
- Designed using the latest technology and software in design development allowing us to take predictive measures and provide solutions that are innovative and safe

### Flexible

- We focus on listening to our customers and asking the right questions to continually reach better outcomes
- Shorter lead times with a full in-house capability to manage the project from concept to commissioning
- Adaptable in design to incorporate individual specifications

### Built Safe & Easy to Use

- Optional galvanised metal skid base or wheel mounting for ease of transportation
- Enclosure is made from stainless steel and incorporates viewing windows for ease of physical monitoring

## NEPEAN IS AUSTRALIA'S LARGEST

70% of Australian mines have invested in NEPEAN equipment and services across our Longwall, Power and Conveyor product offerings. NEPEAN Power is the large scale electrical and electronic projects arm of NEPEAN Mining, NEPEAN Mining is a division of NEPEAN™, Australia's largest privately owned engineering, mining services and industrial manufacturing organisation. NEPEAN Conveyors, NEPEAN Power and NEPEAN Longwall provide an extensive portfolio of products and services to independently deliver unique, high quality results, or united, NEPEAN offers a one stop mining solution.



For more information please contact:

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