

# Configured & Engineered Starters



NEPEAN Power provides engineering design, project management, manufacturing, commissioning, training and ongoing lifestyle 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.

From concept stage, we engage and listen to your requirements. Through our proven industry experience NEPEAN Power ensures getting the best possible solution for your requirements, not just for today, but for the life of the site.

NEPEAN Power manufactures a complete range of flameproof and non-flameproof starters and control panels.

NEPEAN Power is able to supply the design; engineering and commissioning required ensuring correct and safe operation. Main drive starters, like most of our equipment, are “custom built” to suit the specific requirements regarding physical size, mounting and whether fixed or skid mounted, drip proof or weatherproof. Units have been supplied to many Australian collieries as well as quarries (crushing plants), industrial plants, grinding mills, fans and centrifuges. The cubicles are constructed from sheet steel, (SS or MS), fully folded and welded having separate compartments for mains, control and indication, with the indication panel usually recessed for underground use to prevent damage. The main access is interlocked with the main switch. Other equipment containing non-interlocked doors are fully shrouded to prevent accidental contact with live parts.



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**NEPEAN Power manufacture standard, mechanical and electronic starters to suit all applications:**

- Variable voltage variable frequency (VVVF)
- Solid state (SCR Drives)
- Vector feedback control
- Direct current (DC Drives)
- Direct on line
- Star delta
- Autotransformer starting

- Rotor resistance starters
- Multi-stage starting
- NEPEAN boss controllers
- Tripper drive control

Each type of starter is available in a range of operational environments;

- 415V to 11kV
- 1kW to 2MW

## Benefits of NEPEAN Designs

### Local Experience

- Australian designed with local knowledge
- Capability to manufacture locally or globally increases price competitiveness
- NEPEAN evaluate the requirements of individual work sites and design a Starter to suit

### Flexible

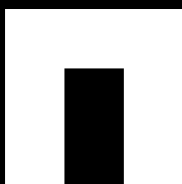
- Flameproof and Non-Flameproof
- We focus on listening to our customers and asking the right questions to continually reach better outcomes
- Shorter lead times with a full in-house capability to manage the project from concept to commissioning
- Adaptable in design to incorporate individual specifications

### Built Safe Compliant & Easy to Use

- Starters include PLC Control Systems and EASY TO USE diagnostics
- IP56 cubicles constructed from stainless steel. Fully folded and welded with separate compartments. The indication panel is usually recessed for underground use. The main access is interlocked with the main switch and other equipment
- Optional galvanised metal skid base or wheel mounting for ease of transportation
- Manufactured to comply with mining and power authority regulation requirements as well as relevant Australian Standards

## 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.



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Power

For more information please contact:

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