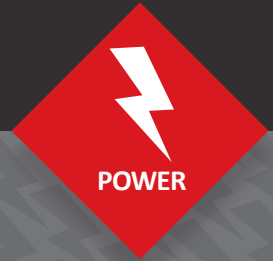


# Containerised Switchrooms & Motor Control Centres (CSR)



## Containerised switchrooms and motor control centres developed for flexible distribution of power

**PBE containerised switchrooms have been developed to distribute all ranges of power for heavy industry, construction and tunnelling projects and operations. The containerised and modular design provides a compact and easily transported unit.**

The containerised switchroom provides a solution for immediate connection to the electrical grid without the need for permanent installations. This can be advantageous for construction sites that require temporary power for equipment and services.

There are two distinct types; the MV/HV Switchrooms and the LV motor control centres. Both utilise switchboard arrangements that are installed in the containerised unit. ♦

PBE Group acquired Rutherford Power Group in 2018, and now provide a global integrated solution for Power, Safety, Communications and Data for the mining and tunnelling industries.

### Specifications

- Rated Voltage 6.6kV - 22kV
- Rated Power 315kVA - 6mVA
- Weight 4T - 10T
- Length 4000mm - 9000mm  
Height 1650mm - 1800mm  
Width 1000mm - 1100mm

### Manufacture

- 3-10mm mild steel ISO container
- Continuous welded electrical enclosures
- Anti-corrosion treated
- Fire safety doors
- Non slip internal floors
- Transport certifications
- Suitability rated lifting points



**PBE**

INNOVATING SAFETY.  
POWERING PRODUCTIVITY.

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# Containerised Switchrooms & Motor Control Centres (CSR)



## MV/HV Switchroom

- PBE's medium and high voltage containerised switchroom vary in accordance to the specification requested
- They utilise SF6 and Vacuum Circuit Breakers, Load Break Switches and Bus Tie arrangements
- The number of distribution points depends on switch gear selected
- Battery Chargers on the control supply are standard with many options/ accessories available

## Containerised

- Easy transportation with the dimensions in accordance with ISO container standards – no requirement for flat rack shipping or oversized specialized transport
- Easy access to the transformer compartment and provided with mechanically bolted doors and covers, fitted with safety switches
- All models made to IEC, Australian and international standards'
- Incoming and outgoing supplies from beneath or the side with glanded or adaptor entry
- Natural ventilation obtained with suitable slats

## LV Motor Control Centres

- Motor Control Centres are typically low voltage however motors are common up to the 3.3kV level in heavy industry
- Built to customer specifications
- Vacuum or air circuit breakers available

## Electrical Design

- Conforms to Australian and International Standards
- Integrated protection relays
- Single or dual feed with bus tie option
- Custom builds are available to meet customer specification or provide the solution to specific outcomes
- Easy lifting for handling on site and kept within mechanical limitations with ISO locking corners, lifting points and forklift
- Copper bus are suitably rated and meet Australian and International Standards with conductive grease utilised in connections
- Lighting and small power outlets are standard



## About Us

PBE Group ("PBE") provide an adaptive and flexible integrated solution where a reliance on safety and productivity is essential. PBE is a true global systems provider for the mining, tunnelling, construction and associated markets. Our specialised engineering team integrates our industry specific manufactured products and best in class 3rd party products to ensure a sophisticated, robust and commercially viable solution. Our growth in international markets is based on the key verticals of Technology, Power and Service Delivery – fundamental in any industrial project. Our experience in confined space and underground construction has enabled PBE to complete over 850 projects in more than 60 countries with 320 staff and 18 regional offices. ♦

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## Contact Us

For further information please contact.

### UNITED STATES

sales.usa@pbegrp.com  
T: +1 276 988 5505

### ASIA

sales.asia@pbegrp.com  
T: +65 6661 6888

### CANADA

sales.canada@pbegrp.com  
T: +1 905 640 1839

### EUROPE

sales.europe@pbegrp.com  
T: +44 203 943 5185

### LATIN AMERICA

sales.lam@pbegrp.com  
T: +56 9 9022 9607

### OCEANIA

sales.aus@pbegrp.com  
T: +61 2 4961 9619

### SOUTH AFRICA

sales.sa@pbegrp.com  
T: +27 12 379 9497



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