UNDERGROUND MV POWER FACTOR CORRECTION SYSTEMS

PRODUCT BROCHURE

Typically located at the end of a grid and characterised by heavy start up loads, mine sites are often plagued by power quality issues, negatively impacting on production and operational costs.

Application of power factor correction (PFC) devices compensate for some electrical network problems characteristic of mining operations.

The mobile MV PFC underground systems are field proven in Australia's mining industry and are designed and manufactured to suit arduous conditions in underground mining applications.

The systems improve power factor, deliver voltage support for longwall substations during AFC start up, as well as providing harmonic filtering to maintain optimal operating conditions.

Our standard and customised designs feature robust enclosures, flexible component and protection configurations, as well as transportable mounting to move with longwalls and substations when required.

FEATURES

- Skid or trailer mounted for easy transport with longwalls or substations when required
- Mobile, robust and compact design
- Standard design or custom engineered to suit application requirements
- Fully workshop assembled and tested for fast installation and connection on site
- Increased safety through stage protection
- Energy saving

APPLICATIONS

- For use in underground mining power distribution systems
- Power factor correction
- Voltage support for machine start up
- Harmonic filtering
- Capacity optimisation

BENEFITS

- Energy savings
- Fully workshop assembled and tested for fast installation and connection on site
- Increased safety through stage protection