

MINING APPLICATIONS



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Why Solcon?

Solcon has been providing robust, reliable solutions to the Mining Industry since 1977. Designed specifically for harsh environments, Solcon's Soft Starters are uniquely suited to endure and remain highly reliable in the most extreme temperature and environmental conditions including temperatures up to 60°C, 95% humidity and a corrosive atmosphere. Solcon offers a variety of products for severe, heavy and standard duty applications that include pumps, ventilation fans, conveyors, crushers, and blowers, for which they control the current and torque of the starting motors. With their complete Soft Starting system and Protection Package, Solcon's products increase the life expectancy and greatly reduce maintenance of both the motors and the connected infrastructure, while enabling end users to comply with the stringent Power Utility supply restrictions of mines.



Solcon provides:

Soft Starters and Protection Relays, separately or as customized "Turn Key" projects, tailored to meet all the end users' needs.

Solcon is recommended for:

- Fans
- Pumps
- Conveyors
- Mixers
- Hammer Mills
- Agitators
- Rock Crushers
- Grab Buckets
- Excavators
- Loaders



Typical Applications:

Virtually every motor, low or medium voltage, asynchronous, synchronous or slip-ring may be Soft Started and protected by Solcons' advanced products.

Using Solcon soft-starters provides:

- A complete product line 8-3000A, 208-15000V from a single supplier
- Soft Starting systems for Asynchronous, Synchronous and Slip-ring motors
- A variety of choices for severe, heavy and standard duty applications
- A Robust construction, pre-designed for harsh environments
- Unique RVS-EX unit for starting EX Motors
- Superior starting & stopping characteristics for low and medium voltage motors
- Comprehensive, built-in motor protection package
- User friendly operation
- Full description LCD display

Unique optional features:

- Motor insulation protection
- Analogue output and thermistor input
- Special treatment for harsh environments
- Unique Soft Starter designs for EX zones
- Communications - Modbus, Profibus and Devicenet (*Others upon request*)

Solcon Product lines for Mining Applications:

- Up to 630KW Low voltage Standard duty design Soft Starter – RVS-EX
- Up to 3MW Low voltage Heavy duty design Soft Starter – RVS-DN
- Up to 315KW Low voltage 1200V Soft Starters – RVS-DN 1200V
- Up to 50MW Medium voltage special design Soft Starter – HRVS-DN

Water Pumps - Codelco Chuquimata Copper Mine - Chile



Iron Ore Pump - Iron mining - Kazakhstan



Conveyors - Diamond mine - Catoca, Angola



SOLCON

WATER

OIL & GAS

INDUSTRY

MINING

MARINE



Soft Starters ■ Motor Protection ■ Power Controllers

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