

# 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 designed for endurance 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 for controlling starting current and torque when operating pumps, ventilation fans, conveyors, crushers, and blowers. 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 equipment, while enabling end users to comply with the stringent Power Utility supply restrictions typical in mining applications.



## Solcon provides:

Soft Starters and Protection Relays, standard chassis units or as customized "Turn Key" product line-ups, 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, induction, synchronous or slip-ring... may be Soft Started and protected by Solcons' advanced products.

## Using Solcon soft-starters provides:

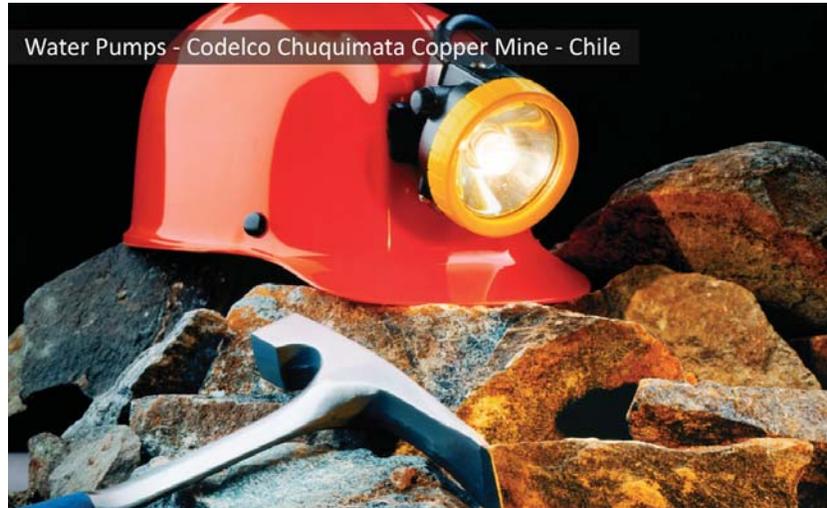
- A complete product line 8-3000A, 208-15000V from a single supplier
- Soft Starting systems for Induction, Synchronous and Slip-ring motors
- A variety of choices for severe, heavy and standard duty applications
- Robust construction, pre-designed for harsh environments
- Superior starting & stopping 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
- Analog output and RTD or thermistor input
- Special treatment for harsh environments
- Communications - Modbus standard. Profibus, Devicenet and others upon request.

## Solcon Product lines for Mining Applications:

- Up to 3000HP (3MW) Low voltage Heavy duty design Soft Starter – **RVS-DN**
- Up to 1000HP (315KW) Low voltage 1000V or 1200V rated Soft Starters – **RVS-DN**
- Up to 50,000 HP (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





**CON**

- WATER
- OIL & GAS
- INDUSTRY
- MINING
- MARINE



Soft Starters ■ Motor Protection ■ Power Controllers

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