



# Case Study: Mine Supply Company

## OutBack Mobile Power System Installations



### Overview

Mine Supply Company of Saskatchewan, Canada, was formed in 1966 to serve the area's potash mines, but now also serves various types of underground mines around the world. Mine personnel rely on Mine Supply Company for **reliable products that deliver** mobile lighting, ventilation and conveyor systems, high pressure doors and mobile power.

Mining customers began demanding power sources for stand-alone and backup power needs. However, the industry lacked an inverter that was optimized for extreme mine conditions, where dust can cause power inverters to fail after three to six months on the job.

**Mine Supply Company needed an inverter/charger capable of meeting the industry's rigorous specifications**, so they turned to OutBack's FX inverter/charger which is built to withstand environmental extremes and perform well over the long term.



*I have seen almost every brand of power inverter underground. Because of exposure to the humid, moist and dusty environment, they only last three to six months, tops. Our customers have now been using the OutBack Power FX inverters for more than three times that period, without failure. OutBack's inverters are sealed, easily field-serviceable and ideal for providing a reliable power source in underground mining applications."*

**Jason Harley**

Sales Manager, Mine Supply Company

### System Specifications

**Location:** Saskatchewan, Canada

**System Power:** 3.0kW Mobile Systems

**Components:** FX Inverter/Chargers





## Objectives

- Identify an inverter/charger capable of withstanding harsh, corrosive mine environments without compromising performance.
- Convert DC power from 12 and 24V batteries into clean, dependable AC power to run 120V pumps, lights, power tools, computers and other electrical loads in demanding field conditions.
- Boost productivity and save customers money by eliminating downtime.



## Solution

Mine Supply Company began selling OutBack Power's FX sealed inverter/chargers in mid-2011. Since then, **FX inverter/chargers** have been deployed in Canadian mines coast to coast, as well as at U.S. customer sites, and have achieved a 100-percent success rate. This is an unheard-of achievement in the underground mining world. OutBack Power FX inverter/chargers power hydraulic water pumps on fire trucks, underground service vehicles, drilling machine repair operations and many more of Mine Supply Company's customer applications.

## Benefits

- OutBack Power inverter/chargers vastly outperform competitive products, which often break down after a few months underground.
- The FX Series' sealed design, die-cast aluminum chassis and powder-coated finish prevent corrosion and increase the products' longevity.
- The FX Series' built-in charger replenishes battery power to minimize the chances of a drained truck battery in the field.
- Mine Supply Company customers save thousands of dollars in downtime and maintenance that would have gone toward repairing lesser-quality inverters.

