



VFD-3



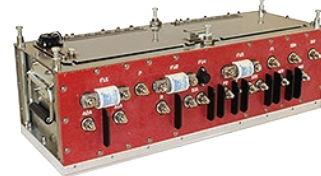
VF1-75



VF Series Tram



Q800



Q750



JR1000

## Battery LHD (Mucker) Systems

Rectified DC to AC VFD	VFD-3 Series (500V - 750V in, 0 - 525V out)
DC to AC VFD	VF1 Series (128V Battery)
DC to AC VFD	VF2 Series (240V Battery)
DC to AC VFD	VF6 Series (72kW or 130kW) Systems with battery charger (650V DC) <i>Saminco Pure Electric System</i>

## Shuttle Car Systems

Rectified DC to AC VFD	VFD-3 Series (500V - 750V in, 0 - 525V out)
AC to DC	JD400 System (220V - 600V AC)
DC to AC VFD	VF1-75 System (550VDC)
VFD/Rectifier	JR1000 System (1140VAC)

## Rail Systems

DC TO DC	Q800 Series (80-360V DC in)
DC to AC VFD	VF1 Series (128V Battery)
DC to AC VFD	VF2 Series (240V Battery)

## Scoop Systems

DC to DC	A777 Systems (1000A / 120VDC)
DC to DC	Q750 Dual & Single Motor Systems (2000A / 120VDC)
DC to AC VFD	VF1 Series (128V Battery)
DC to AC VFD	VF2 Series (240V Battery)

## Feeder Breakers

VFD	VX2 Series (230V - 600VAC)
VFD/Rectifier	JR1000 System (1140VAC)

## Continuous Miners/Road Headers

AC to DC	JD400 System (220V - 600V AC)
VFD/Rectifier	JR1000 System (1140VAC)

## Battery Chargers

DC to DC	24V supply for on board charging
AC to DC	Wide range 3 PH AC to controlled DC charging

## Battery Systems



We are a system integrator for the FZSoNick sodium nickel chloride battery technology. A maintenance free battery, it has no memory effects with a shelf life of >20 years. Temperature range of -40°C to +60°C without requiring extra cooling. No gas emissions and no flammable materials.



## Motors

### Saminco InWheel Motor

Introducing the InWheel motor for off-road vehicles up to 32 tons. Power it up with 700V DC input power from a battery, trailing cable, third rail, trolley line or rectified 500V AC, 3 phase. Peak torque of 28kN.m up to 40RPM for driving a 1m diameter wheel.



### AC Traction Motors

Traction and pump motors: shuttle cars, scoops, LHDs, continuous miners.

Conveyor motors for shuttle cars and feeder breakers.

Available as explosion proof, liquid or air cooled, 2-4-6 pole, AC or DC.

AC motors are copper barred.



### Saminco systems:

- Proximity detection ready
- Installation service available
- Training available
- Custom parameter options
- Fully customizable systems which may include (depending on system) cables, master control modules, and displays. Optional accessories include footswitches, panic switches, bus bars, parameter programmer, light supply, pump modules, brake module, down chopper, EMC filter, joystick, fan cooling assemblies, PWM hydraulic components, motors, and radio remote control.

## STARTERS: Belt Starter Boxes, Fan Starters, Pump Stations, Feeders

208V - 15kV, 60A - 2700A



Belt Starter Boxes  
230V - 1000V



2.3kV - 15kV  
Soft Starters



230V - 1000V  
Starter Modules



Saminco is a preferred partner and systems integrator for Solcon.

## VFD: Fan Controls, Pump Controls, Belt Drives, Feeder Breakers

208V - 6.6kV, 1HP - 16,000HP



230V - 600V  
Outdoor VFD



VFD Family



230V - 1000V



Saminco is an authorized service provider and systems integrator for Yaskawa's VFD products.

## ELITE Installation Services



We can rebuild and refurbish your mining equipment at our West Virginia facility. Using the latest technology, we design, install and test your system to get you up and running as quickly as possible.

- Clean and repaint xp box
- All new parts
- Wiring diagram provided with final build
- Complete quality check and testing
- Warranty

## Pumping Applications

Turnkey pump control solutions, including remote monitoring.



## About us:

For 29 years, Saminco has been developing and manufacturing high power DC and AC drives and complete electrical systems. Utilizing the latest in technology with the expert capabilities of our engineering R&D team, we are able to design products that meet and exceed our customers needs. We have expanded our product lines to now provide complete electrical systems for all types of mining, industrial and transportation equipment.



Our Florida Headquarters and Manufacturing Facility is ISO 9001:2015 certified.



## Other Applications: Rail, Marine, Hybrid Vehicles



American Traction Systems, the sister company of Saminco, designs and manufactures efficient, high power AC, DC and PM propulsion motor controllers and system accessories. Used in locomotives, passenger vessels, hybrid trucks and buses, streetcars, light rail, airline ground support equipment, and battery powered vehicles of all types. ATS customers are in North America, South America, Africa, Europe, Asia, and Australia.



www.americantraction.com

Ph: 239-561-1561 • Email: sales@samincoinc.com • Web: www.samincoinc.com



**FLORIDA**  
**Headquarters**  
 10030 Amberwood Rd.  
 Ft. Myers, FL 33913  
 Ph: 239-561-1561  
 FAX: 239-561-1502

**WEST VIRGINIA**  
**Service Branch**  
 517 Virginia Ave.  
 Huntington, WV 25701  
 Ph: 304-523-4700  
 FAX: 304-523-4039

**COLORADO**  
**Service Branch**  
 Cedaredge, CO  
 Ph: 970-623-0000

**SOUTH CAROLINA**  
**Service Branch**  
 Anderson, SC  
 Ph: 864-314-9046

**International Locations:**  
 Boksburg, South Africa  
 Australia  
 Poland