

# Traction Inverter for Underground Trains

This high-performance traction inverter is designed for underground train applications. The inverter provides efficient and reliable power conversion for train propulsion systems, ensuring smooth acceleration and deceleration.



## Overview

### Advanced Traction Control System

The ONIX traction inverter represents a state-of-the-art solution for underground railcar propulsion, utilizing an AC VVVF speed governor system for intelligent and efficient vehicle operation. Designed with a modular, standardized architecture, it offers exceptional flexibility for custom modifications and simplifies on-site maintenance. The system integrates advanced dual 32-bit microprocessor control, ensuring seamless compatibility with modern urban rail transit networks and fully-automated unmanned train guidance systems.

## Technical Specifications

### Core Functionalities

- Anti-idling protection
- Anti-skidding control
- Regenerative braking system
- Network system integration

Control System	AC VVVF (Variable Voltage Variable Frequency)
Processor	Dual 32-bit microprocessor

## Design & Maintenance

Design Philosophy	Modular, Standardized, In-situ maintainable
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## Applications

### Compatible Environments

Urban Rail Transit • Unmanned Train Systems • Underground Trains