

## ATS Street Car and Trolley Bus Traction System

The ATS A300 series of Traction Motor Controllers are high performance IGBT drives designed specifically for the unique needs of Street Car and Trolley Bus systems.

General Specifications A300 Controllers	
Hp Range	60Hp (dual motors) 120Hp (single motor)
Continuous Current Rating	200A
Current Overload Capability	150% for 1 minute 200% for 3 seconds
DC Supply Voltage	650VDC nominal
Power Loss Capability	One second ride thru

Traction System Features
Complete, Compact System
Solid State Reversing
300A Dynamic Brake Controller
1000V 1250A DC rated Contactor
Forced Air Cooling
Modular Design
Common and Differential Mode EMI Filter



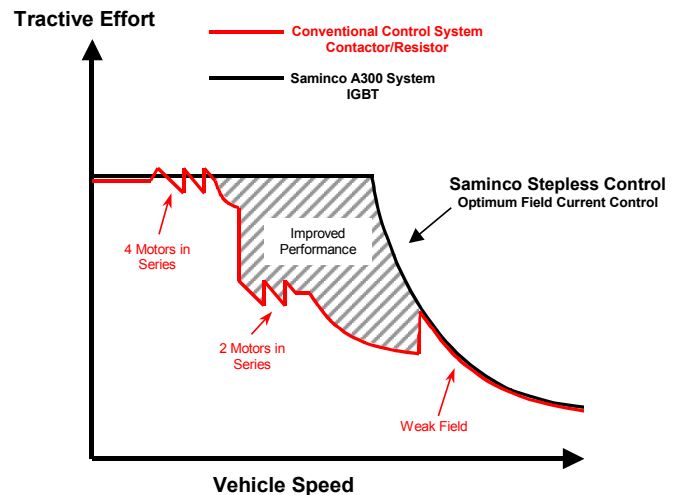
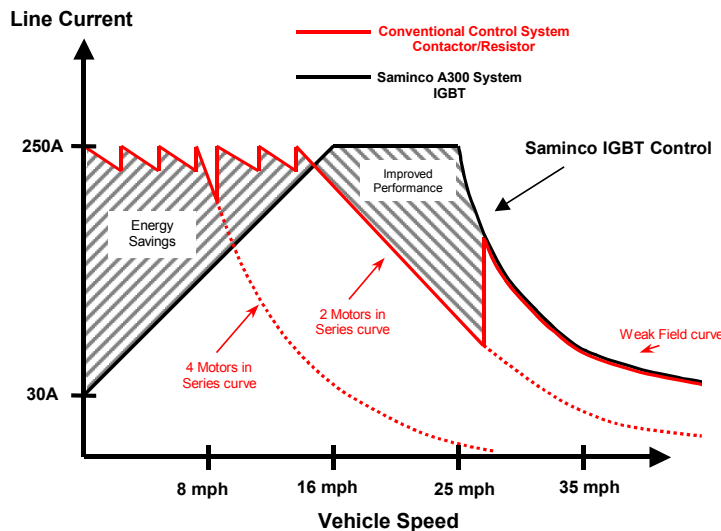
New Orleans (NORTA) Streetcar powered by ATS A300 Controller



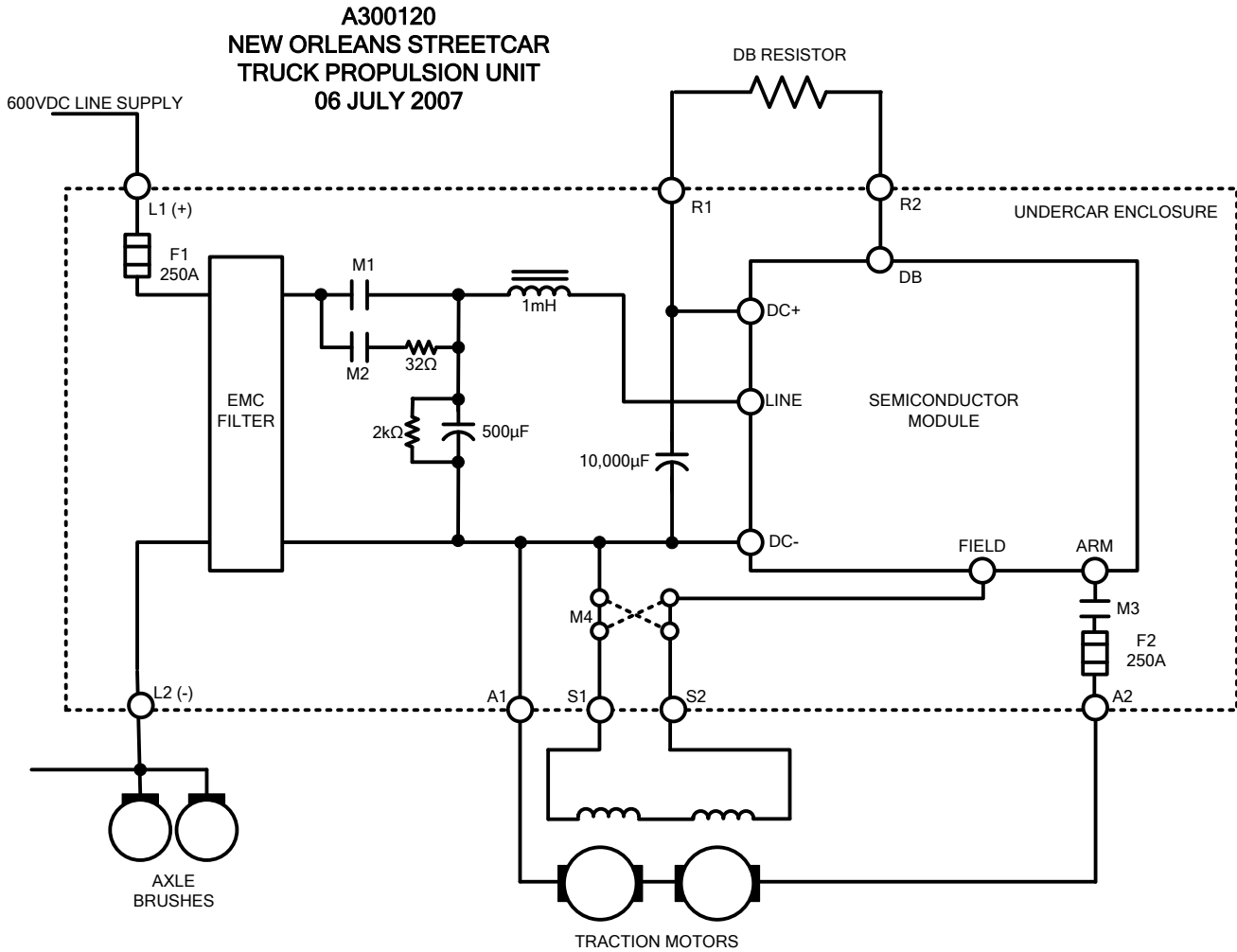
ATS Streetcar control system

### ATS A300 IGBT performance and energy saving improvements over conventional (Contactor/Resistive) Street Car and Trolley Bus Controllers

Conventional systems use contactors to switch motor configuration and resistive loads to the motors, causing the stepping shown in the graphs below. The ATS IGBT controller eliminates these steps, providing smoother and more efficient control of the traction motors.



# Typical Streetcar Application



**New Orleans Von Dullen Canal Street Streetcars**