

# **ameri**TRAM™

The 100% Low-Floor Streetcar Engineered for North America



# ameriTRAM™



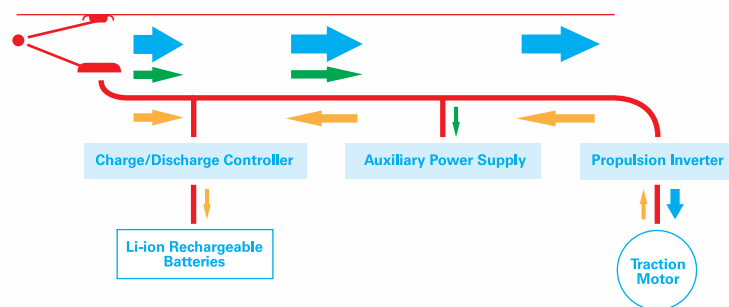
North America's 100% Low-Floor Streetcar



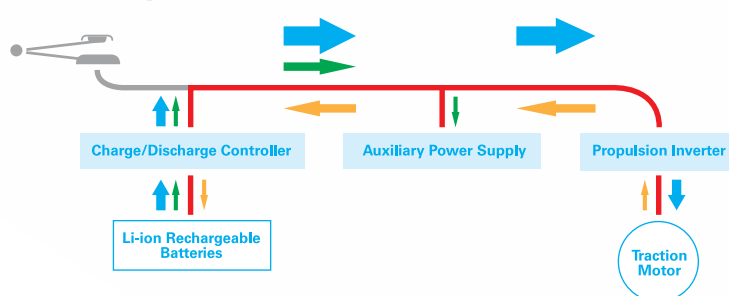
## Electro-Hybrid Li-ion Battery Power Propulsion Technology

Through unique e-Brid™ technology, ameriTRAM™ is propelled by overhead catenary or on-board lithium-ion batteries. e-Brid™ charges the batteries while running on catenary power; and, when in battery mode, uses electricity stored from regenerative braking.

### Powered by Catenary

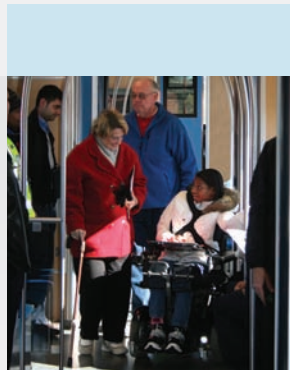


### Powered by Li-ion Batteries



Through e-Brid™ technology ameriTRAM™ provides:

- + **Superior Versatility**  
Achieve propulsion where overhead contact wire cannot be installed
- + **Historic Preservation**  
Free downtown and historic areas of overhead wires
- + **Improved Aesthetics**  
Minimize environmental impact and improve visual aesthetics through wireless sections
- + **Reduced Energy Usage**  
Realize immediate savings through lower power consumption via "peak-shaving"
- + **Greater Value**  
Save millions in capital investment and operational costs with less electrification equipment and maintenance
- + **Enhanced Public Safety**  
Ensure safety of passengers in power outages or inclement weather
- + **Environmental Responsibility**  
Realize fewer greenhouse gas concerns through zero emissions and lower energy usage



## Engineered For North America

*ameriTRAM™* is the only streetcar in North America that is compliant with ADA, Buy America, NFPA-130 and ASME RT-1

## 100% Low-Floor

With its 100% Low-Floor, *ameriTRAM™* offers:

### + Improved Passenger Safety

100% low-floor with no interior steps or ramps

### + Superior Access

*ameriTRAM™* provides easier access and complies with all ADA requirements throughout the passenger area

### + Greater Efficiency

Faster boarding means less dwell time at stations

## Flexible Modularity

Expandable design allows for future system growth without increasing fleet size



*ameriTRAM™* 300



*ameriTRAM™* 500



*ameriTRAM™* 700

## KINKISHARYO International, L.L.C. is the #1 supplier of low-floor light rail vehicles in North America.

With the introduction of *ameriTRAM™*, Kinkisharyo is the only light rail manufacturer to supply North America with a 100% low-floor, electro-hybrid, zero-emission streetcar powered by either overhead electric catenary or on-board lithium-ion batteries. Headquartered in Westwood, MA, KINKISHARYO has been redefining urban light rail transit systems throughout the U.S. for nearly three decades.



For more information on *ameriTRAM™*  
[www.ameritram.com](http://www.ameritram.com)

# Vehicle Specification

## ameriTRAM™ 300

Empty Weight with e-Brid™		<b>32 mt</b> (70.5 klbs)
Passengers (4/m <sup>2</sup> )		<b>115</b> (28 seats)
Primary Dimensions	Length over Anticlimbers	<b>20m</b> (65 ft 7.4 in)
	Width of Carbody *	<b>2.65m/2.46m</b> (8 ft 8.3 in/8 ft 1 in)
	Width of Thresholds *	<b>2.71m/2.52m</b> (8 ft 10.7 in/8 ft 3.2 in)
	Height of Carbody	<b>3.8m</b> (12 ft 5.6 in)
	Boarding Height	<b>350mm</b> (13.75 in)
	Ceiling Height	<b>2472mm</b> (8 ft. 1.3 in.)
	Clear door opening	Double Door: Single Door:

Trucks	Truck Centers	<b>10.8m</b> (35 ft. 5.2 in.)
	Wheel Diameter	<b>600mm</b> (23.6 in.)
	Wheel Base	<b>1800mm</b> (70.9 in.)

Operating Parameters	Maximum Grade **	<b>9%</b>
	Minimum Horizontal Curve	<b>18m</b> (60 ft.)
	Minimum Vertical Curve ( +/- )	<b>350mm</b> (1150 ft.)
	OCS Voltage ( DC )	<b>750 nominal</b> (525-900 range)

Performance	Maximum Service Speed	<b>80 kph</b> (50 mph)
	Acceleration **	<b>1.3m/s<sup>2</sup></b> (3.0 mphps)
	Service Brake	<b>1.3m/s<sup>2</sup></b> (3.0 mphps)
	Emergency Brake	<b>2.3m/s<sup>2</sup></b> (4.5 mphps)

Primary Systems	Propulsion	<b>IGBT Inverter with VVVF Controls</b>
	Friction Brake	<b>Hydraulic Disc</b>
	Auxiliary Power	<b>208vAC - 3phase - 60hz</b>
	LVPS	<b>24vDC</b>

\*Available in wide (LRV) or narrow (Streetcar) versions

\*\*All axles powered

## 500



**48 mt** (105.5 klbs)

**150** (62 seats)

**30m** (98 ft 5 in)

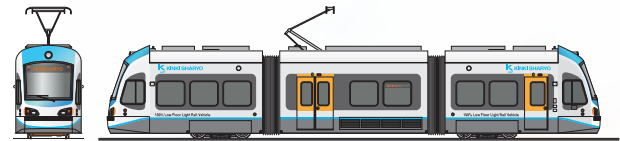
## 700



**64 mt** (141 klbs)

**190** (96 seats)

**40m** (131ft 2.8 in)



ameriTRAM™ Streetcar, exterior



ameriTRAM™ Streetcar, interior

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**For more information please visit**

**[www.kinkisharyo.com](http://www.kinkisharyo.com)**

**[www.ameritram.com](http://www.ameritram.com)**