

Vehicle
Specification

ameriTRAM™

The 100% Low-Floor Streetcar Engineered for North America

ameriTRAM™ 300

Empty Weight with e-Brid™		32 mt (70.5 klbs)
Passengers (4/m2)		115 (28 seats)
Primary Dimensions	Length over Anticlimbers	20m (65 ft 7.4 in)
	Width of Carbody *	2.65m/2.46m (8 ft 8.3 in/8 ft 1 in)
	Width of Thresholds *	2.71m/2.52m (8 ft 10.7 in/8 ft 3.2 in)
	Height of Carbody	3.8m (12 ft 5.6 in)
	Boarding Height	350mm (13.75 in)
	Ceiling Height	2472mm (8 ft. 1.3 in.)
Clear door opening		Double Door: 1220mm (4 ft.) Single Door: 815mm (2 ft. 8.1 in.)

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

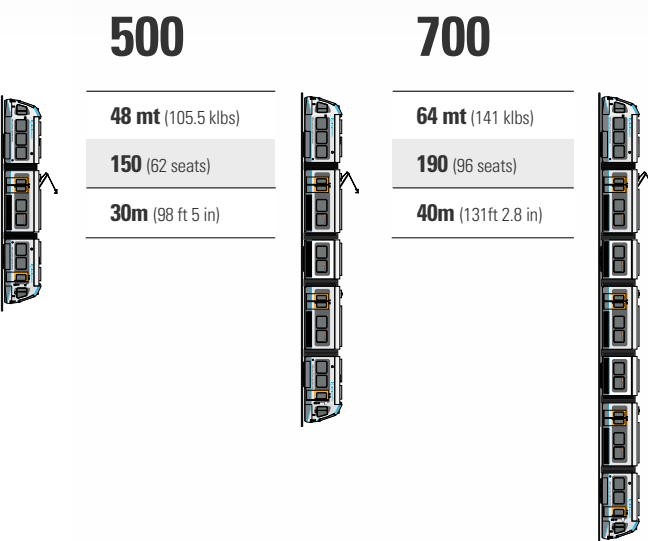
Operating Parameters	Maximum Grade **	9%
	Minimum Horizontal Curve	18m (60 ft.)
	Minimum Vertical Curve (+/-)	350mm (1150 ft.)
	OCS Voltage (DC)	750 nominal (525-900 range)

Performance	Maximum Service Speed	80 kph (50 mph)
	Acceleration **	1.3m/s² (3.0 mphps)
	Service Brake	1.3m/s² (3.0 mphps)
	Emergency Brake	2.3m/s² (4.5 mphps)

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

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

**All axles powered



ameriTRAM™ Streetcar, exterior



ameriTRAM™ Streetcar, interior

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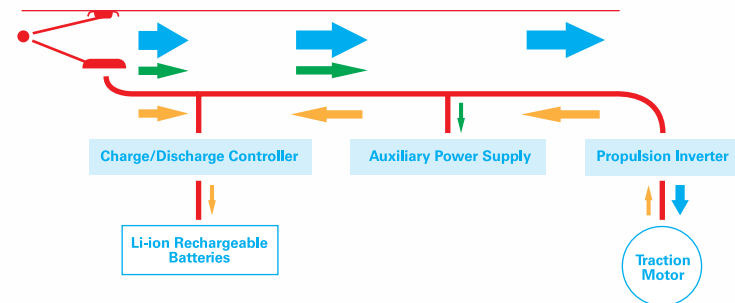
North America's 100% Low-Floor Streetcar



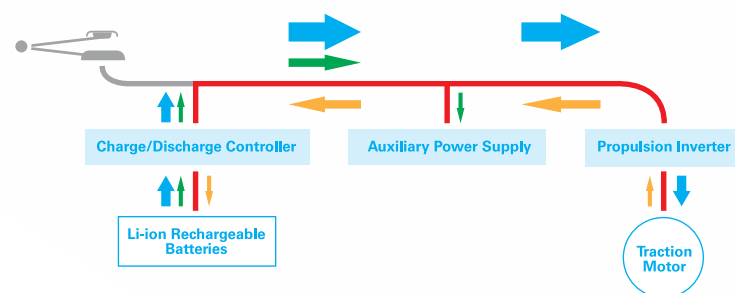
Electro-Hybrid Li-ion Battery Power Propulsion Technology

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

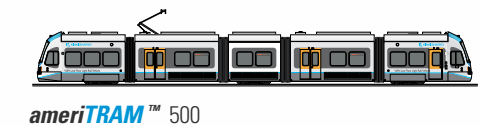
100% Low-Floor

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



KINKISHARYO International, L.L.C. is the pioneer of the 100% Low-Floor Streetcar in North America.

With the introduction of *ameriTRAM™*, Kinkisharyo was the first light rail manufacturer to build a 100% low-floor, electro-hybrid, zero-emission North American streetcar powered by either overhead electric catenary or on-board lithium-ion batteries. Headquartered in El Segundo, CA, KINKISHARYO has been redefining urban light rail transit systems throughout the U.S. for over three decades.

For more information on *ameriTRAM™*
www.ameritram.com