



Highly advanced stainless LRV designed specifically to support the Los Angeles County Metropolitan Transportation Authority's (LACMTA) complex system expansion requirements.

The only high-floor, six-axle articulated LRV configured for bi-directional operation and capable of operating on all of LACMTA's existing rail lines.

Formation:
6 - Axle Articulating

Track Gauge:
4ft – 8.5in / 1435mm

Electric System:
750 Vdc
Overhead Catenary
System



Los Angeles - Los Angeles County Metropolitan Transportation Authority	
General	
Manufacturer	KINKISHARYO International, LLC
Quantity	78 + 157
Year Delivered	2015 - 2020
Body Type	6-axle articulated
Empty Weight	99,000 lbs (45,000 kg)
Seats	68
Minimum Radius	82 ft (25 m)
Voltage (VDC)	750
Maximum Operating Speed	65 mph (104 kph)
Full Acceleration	3.0 mphps (1.34 m/s ²)
Deceleration, Service	3.5 mphps (1.56 m/s ²)
High/Low Platform	High
ADA Accessibility	Level Boarding
Maximum Cars to Train Line	3 (6 in emergency operation)
Noise Level at 40 mph & 50 Ft	77 dBA
Carbody	
Manufacturer	Kinki Sharyo Co., Ltd.
Material	Stainless Steel and LAHT composite
Buff Load	2g
Length (Over Coupler Faces)	89 ft (27.13m)
Width	8.7 ft (2.66m)
Height	12.5 ft (3.81m)
Ceiling Height	6 ft 8 in (2.03m)
Floor Height (TOR)	39 in (0.996m)
Floor Construction / Covering	Abrastop™ Covering with Syntactic Foam Subfloor
Articulation Manufacturer	KINKISHARYO International, LLC
Seat Manufacturer	Kustom Seating
Seat Type	Cantilevered
Window Type	Laminated Safety Glass, Tinted with Vandal Shield
Couplers	
Manufacturer	Dellner Couplers
Location of Electric Heads	Side
Isolation Method	Retractable Heads
Coupler Height (TOR to CL)	20 in (510 mm)
Couplers Stowed When Uncoupled	No
Electrical Equipment	
LVPS Manufacturer	Transtech Corp.
LVPS Output (kW)	10 kW
APS Manufacturer	Transtech Corp.
APS Output (KVA)	65 KVA
Battery Manufacturer	SAFT America, Inc.
Battery Capacity (A.h.)	230 AH
Lighting	
Manufacturer	TransLite
Type	LED and LED Tube
Fixtures Contain Air Diffusers	No
Railroad Headlight	Yes
ATC / ATP & TWC	
Manufacturer	Ansaldo-STC USA, Inc.
Destination Signs	
Manufacturer	TransLite
Type	LED
Number per Car	4
Location	2 Ends, 2 Sides

Information Signs	
Manufacturer	Total Control Solutions
Type	LCD
Number per Car	4
Location	4 Interior
Propulsion	
Manufacturer	Toyo Denki USA, Inc.
Motors / Powered Truck	2
Method of Cooling for Motors	Self-Ventilated
Control Type	VVVF, IGBT
Control Package / Car	2
Control State of the Art	Microprocessor
Method of Cooling for Control	Forced Air
Motor Rating (kW)	135 (Continuous)
Type Gearing	Double Reduction, Parallel Drive
Gear Ratio	6.42
Pantograph Manufacturer	TransTech
Friction Brakes	
Manufacturer	Knorr Brake Corp.
Type	Pneumatic
Separate Control	Yes
Track Brake Manufacturer	Knorr Brake Corp.
Number of Axles With Brakes	6
Doors	
Manufacturer (Operator & Controls)	IFE
Type	Sliding Pocket
Number per Side	4
Controls (Location / Type)	Overhead / Electric
Sensitive Edge	Yes
Passenger Activated	Yes
Trucks and Suspension	
Manufacturer (Operator & Controls)	Kinki Sharyo Co., Ltd.
Primary Suspension	Chevron
Secondary Suspension	Air Spring
Load Leveling	Yes
Wheel Base	7.06 ft (2.15m)
Wheel Manufacturer	Penn Machine Co.
Wheel Type	Bochum 84
Wheel Size	28 in (711mm)
Truck Centers	31.01 ft (9.45m)
Frame Location	Inside
Wheel Profile	RTD-1
HVAC	
Manufacturer	Merak
Heating Configuration	Overhead 2-Stage, (208 VAC 3-phase)
Heating Capacity (kW)	30.0 (15.0 per Unit)
Cooling Configuration	Roof Mount (2 Units per Car)
Cooling Capacity (Tons)	8 per Unit (16 tons)
Communications	
	Kinkisharyo International / Rail Transit Consultants
Type	MDS / Communications Integrated Ethernet
CCTV	12 POE Cameras + DVR
Network	TCN + Ethernet

