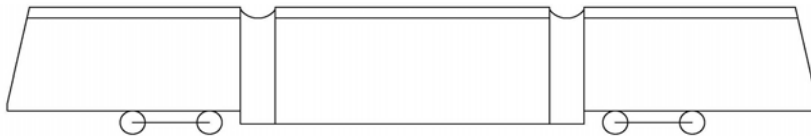


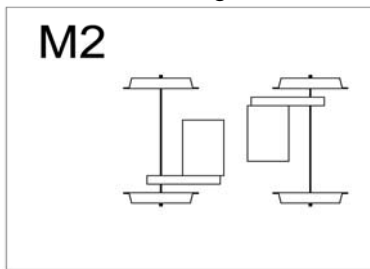
United Streetcar USC 100



Concept Schematic



Powered Running Gear



Trailing Running Gear

NA

1.1	Partial or 100% Low Floor?	Partial (50%)
1.2	Running Gear	
a.	Type:	fixed truck
b.	Wheel diameter(s)	610 mm (24 in.) new, 530 mm (20.9 in.)
c.	Motor type	3-phase AC
d.	Wheelset/drive arrangement(s)	M2
1.3	Can all axles be powered if desired?	Yes, standard
1.4	Basic Configuration	
a.	Available as both single-ended and double-ended?	Double-Ended is Standard
a.1	Approximate percentage of cost differential?	TBD
b.	Available as both single-sided and double-sided?	Yes
b.1	Approximate percentage of cost differential?	TBD
1.5	Floor height(s) at door thresholds	350 mm (13.8 in.) / 780 mm (30.7 in.)
1.6	Aisle width (minimum)	813 mm (32 in.)
1.7	ADA compliance options	
a.	Load leveling available as a standard option?	Yes, optional
b.	Powered bridge plates available as a standard option?	Yes, standard

1.8 Which features can be readily changed?

Propulsion system. Front end styling treatments. Communications and camera systems. Interior and exterior color scheme. Seating layout and color. Fully configurable interior arrangements for special ADA needs, commuter comforts and bicycle management. Hot climate upgrades including improved AC systems and solar glass. Cold climate upgrades including improved heating configurations, heated pantograph, snow moving equipment.

2 SIZE / CAPACITY

2.1	Standard options for vehicle width	2460 mm (8 ft. 0 in.)
2.2	Standard options for overall vehicle length	
a.	Minimum Standard Length	20.13 m (66 ft.)
a.1	Modules for minimum length	3
a.2	Passenger capacity (seated + standing @ 4 pass/sq m) for min. length	115
b.	Maximum Standard Length	20.13 m (66 ft.)
b.1	Modules for maximum length	3
b.2	Passenger capacity (seated + standing @ 4 pass/sq m) for max. length	115
c.	Is multiple-unit operation a standard option?	No

3 PERFORMANCE

3.1	Minimum turning radius for a standard vehicle	18 m (59 ft.) in service - 16 m (52.5 ft.) out of service
3.2	Minimum vertical curve a standard vehicle can negotiate?	
a.	crest	250 m (820 ft.)
b.	sag	250 m (820 ft.)
3.3	Maximum speed	70 kph (43.5 mph)
3.4	Std. braking and acceleration rates (load levels EL E-EL 4 as per EN 13452-1)	
a.	Acceleration	1.34 m/s ²
b.	Service Braking	1.34 m/s ²
c.	Emergency Braking	2.25 m/s ²
3.5	Depth of standing water that loaded vehicle can safely operate?	75 mm (3 in.)

NOTES: