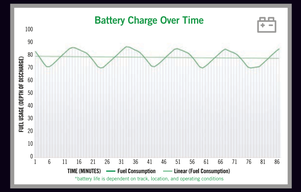
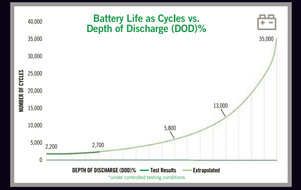
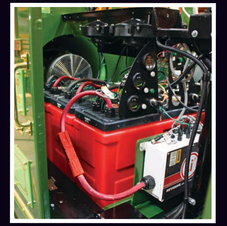
## Proven Battery Technology

It has been proven that lithium-ion batteries last longer, charge faster, and weigh less than most batteries making them ideal for the Electric C.P. Huntington™ Locomotive. The lithium-ion battery test results from Chance Rides have demonstrated that in a one mile cycle, the battery can be fully recharged with automatic station charging in just minutes. That's the same amount of time it would take to unload and reload the train passengers. Using the battery charge cycle will allow worry-free, all-day operation, as well as extend the life of the batteries.



CHANCE RIDES

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the Art of Movement

TRAINS CAROUSELS TRAMS WHEELS

GO GREEN Electric C.P. HUNTINGTON TRAIN




GO GREEN Electric C.P. HUNTINGTON TRAIN

Introducing the zero emissions, lithium-ion battery powered C.P. Huntington™ Electric Train!



# the Art of Adventure

CHANCE RIDES TRAINS

CHANCE RIDES

# GO GREEN Electric

C.P HUNTINGTON TRAIN

## It's Time to Electrify!

Forget about oil changes, spark plugs, transmissions, radiators, and exhaust fumes. The new lithium-ion battery powered Electric C.P. Huntington™ Train requires virtually no maintenance while showing guests that you care about the environment.

### Lithium-Ion Batteries

Utilizing the latest in lithium-ion battery technology results in a battery that lasts longer, charges faster, and weighs less than other batteries. In fact, one lithium-ion battery replaces four lead-acid batteries, charges four times faster, and lives eight times longer.

### Automatic In-Station Charging

A hands-free automatic charger is installed on the track in the station area to ensure all-day uninterrupted operation. When the train is parked for loading/unloading the batteries will receive a quick charge. This greatly reduces the depth of discharge for longer battery life.

### Programmable Operation

Train operators can now equip their track circuit with sensors located at various points around the track to control train speed, position, and guest interaction. Having fewer distractions allows the conductor to focus more on the train's safe operation.

### Audio Effects

The electric drive system eliminates the noise associated with a standard combustion engine. For a more realistic train experience, an on-board audio system can be installed to mimic the sounds of an original steam engine, air whistle, or any sound you would like your guests to experience.

### AC Electric Motors

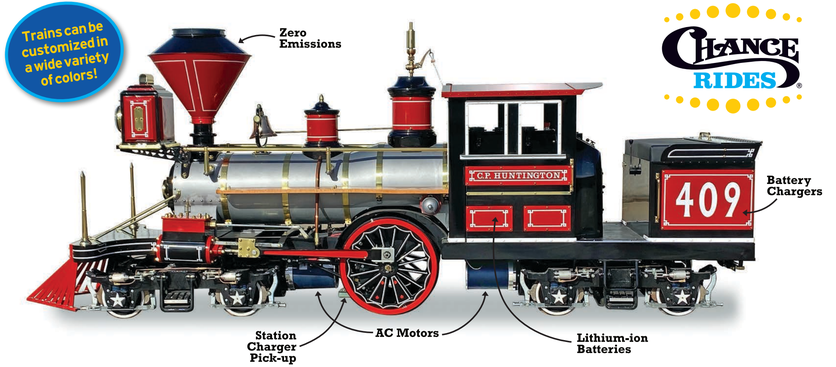
AC motors carry several advantages over DC motors. AC motors are more efficient and maintenance-free because they are brushless. AC motors are also far superior when it comes to regenerative braking.

### Regenerative Braking

Further increasing efficiency is the regenerative braking system that provides additional charging for the batteries. Instead of using traditional brakes, the electric motors are used to slow down the train.


IAAPA Brass Ring Awards

Trains can be customized in a wide variety of colors!




CHANCE RIDES

Reduced maintenance and operation costs.

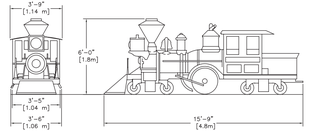
Zero emissions and eco-friendly operation.

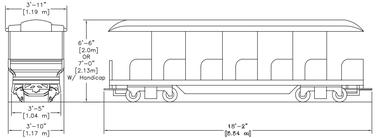
Virtually no fuel cost. Recharge for pennies.

Safe, quiet, programmable all-day train operation.

Perfect for indoor and outdoor applications.


# TECHNICAL SPECIFICATIONS




| TRAIN | LENGTH | CAPACITY |
|---|---|---|
| 1 locomotive & 2 coaches | 51 ft., 4 in. (15.6 m) | 28 adults & 14 children (or 56 children) |
| 1 locomotive & 3 coaches | 69 ft., 2 in. (21.1 m) | 42 adults & 21 children (or 84 children) |
| 1 locomotive & 4 coaches | 87 ft. (26.5 m) | 56 adults & 28 children (or 112 children) |
| 1 locomotive & 5 coaches | 104 ft., 10 in. (32 m) | 70 adults & 35 children (or 140 children) |
| 1 locomotive & 6 coaches | 122 ft., 8 in. (37.4 m) | 84 adults & 42 children (or 168 children) |

## FEATURES

### STANDARD FEATURES

- Perfect for tours and shuttling guests
- Handcrafted detailing
- Brass trim

### OPTIONAL FEATURES

- Wheelchair ramp for handicap access
- PA System: solid state amplifier controls and microphone installed in locomotive; 3 waterproof speakers in each coach,
- Chrome trim
- LED dome lights for coaches
- Cloth coach top
- Custom paint available
- Left or right entrance seat enclosure
- Third battery option
- Battery chiller

### ACCESSORIES

Realistic Chance crossing signals are 7-1/2 feet tall. They help control pedestrian and auto traffic. They also attract attention to the train (even when it's out on a run). Electric signals operate on 110 volts actuated by a low voltage relay wire from the track for automatic operation.

**Deluxe Crossing Signal** includes flashing lights, signal bell and vertical stop lights.

**Standard Crossing Signal** comes complete with flashing lights, signal bell and stop sign.

**Non-Electric Crossing Signal** helps complete your authentic looking railroad.

**Block Signal** has red and green signal to warn of other trains on track.

**Crossing Gate/Signal** adds realism to the railroad and helps control pedestrian and auto traffic.

**Turnout Switches** are available in right, left or 'Y' configurations and manual or automatic operation. Available in 12 lb., 16 lb. or 20 lb. rail.

**Manual Switches** allow train to pass through in either direction. The switch, manually activated each time, is normally used for sidings.

**Automatic Switches** let the C.P. Huntington pass through in one direction then loop around to come back over the same track from the other direction.

**Additional Accessories** available from Chance Rides include rail splice bars, spikes, rail bender and track gauge.

## SPECIFICATIONS

### ENGINE

**Electric Motor**
Motor Type ..... AC (2 ea.)
Motor HP (each) ..... 20HP Continuous, 47 HP Peak

**Battery**
Battery Type ..... Lithium Iron Phosphate
Battery Voltage ..... 102v
Battery Capacity ..... 14kWh
Battery Charger Supply ... 220V Single Phase, 110AMP

**Brakes**
Regenerative motor braking. Redundant air brakes on all wheels. Mechanical driveline parking / emergency brake.

**Operator Controls**
Directional control with optional programmable positioning and speed control, keyed start switch, bell, public address system (optional), headlight, whistle.

**General**
Weight ..... 6800 lbs. (3,084 kg)
Track Gauge ..... 24 in. (61 cm)
Recommended track curve radius ..... 75 ft. (23 m)
Recommended maximum uphill grade ..... 3%
Recommended maximum ride speed for level tangent track ..... 12 mph (19 km/h)

### COACH

**Brakes**
Air brakes on all wheels. Built-in automatic and manual emergency brake systems apply all coach brakes if loss of air pressure occurs.

**Seating**
Number of seats per car ..... 7
Maximum number of passengers per seat ..... 2 adults & 1 Child or 4 Children
Maximum passenger weight per seat ... 430 lbs. (195 kg)
Maximum number of passengers per coach ..... 14 adults & 7 children or 28 children

**Seating cont.**
Maximum passenger weight ..... 3010 lbs. (1,365 kg)
Minimum passenger height ..... 42 in. (107 cm) (unaccompanied by an adult)

**General**
Weight (empty) ..... 3,300 lbs. (1,497 kg)
Track Gauge ..... 24 in. (61 cm)
Recommended Track Curve Radius ..... 75 ft. (23 m)