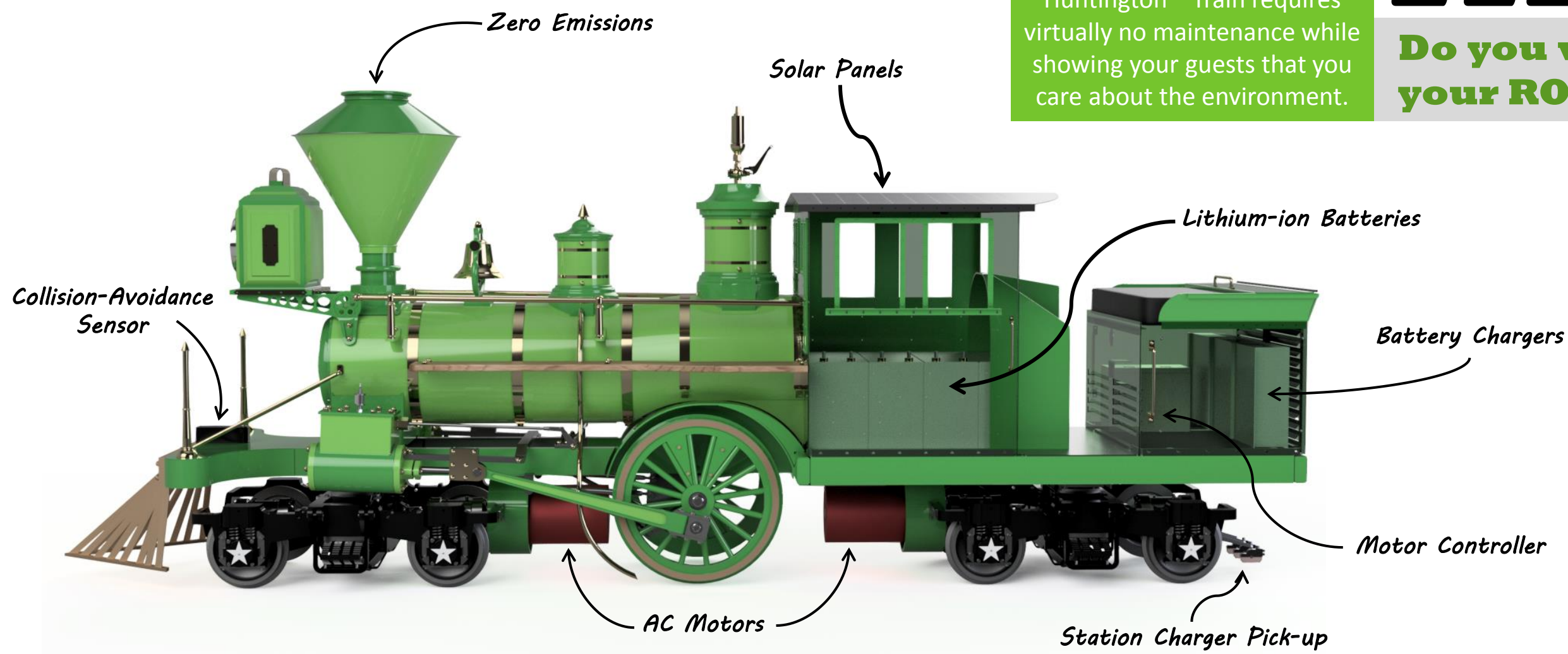


**FORGET**




Oil changes, spark plugs, transmissions, radiators, leaks, and exhaust. The new solar-battery powered Electric C.P. Huntington™ Train requires virtually no maintenance while showing your guests that you care about the environment.




**IT'S TIME TO  
ELECTRIFY**




**Do you want to increase your ROI while being green?**

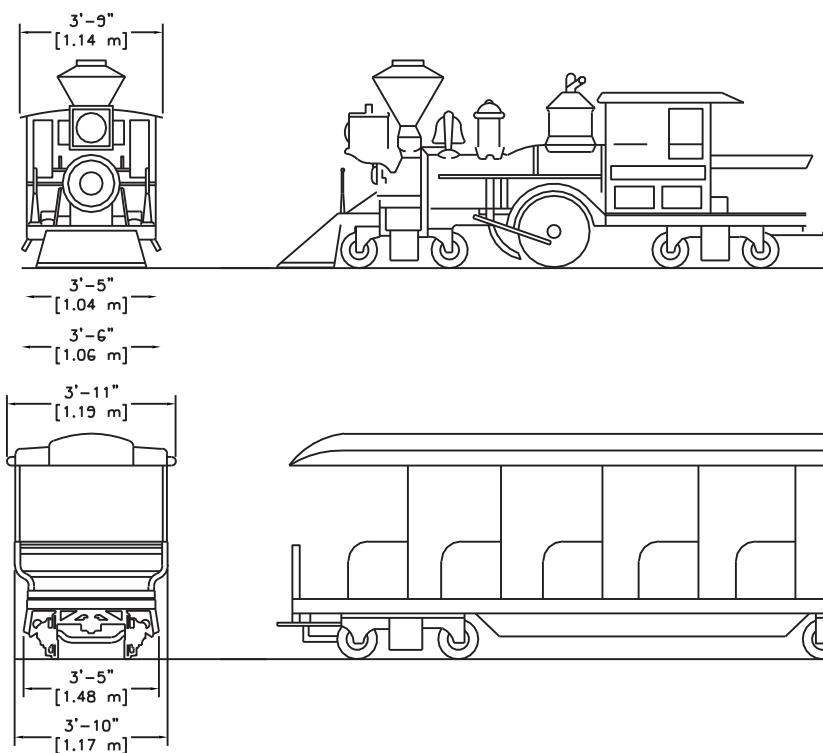


-  Reduced maintenance & operation costs.
-  Zero emissions & eco-friendly operation
-  Virtually no fuel cost. Recharge for pennies.
-  Safe, quiet, programmable all-day train operation.
-  Perfect for indoor and outdoor applications.

-  **Lithium-Ion Batteries**  
Utilizing the latest in lithium-ion battery technology results in a battery that lasts longer, charges faster, and weighs much less than other batteries. In fact, one lithium ion battery replaces four lead-acid batteries, charges four times faster, and lives eight times longer.
-  **Regenerative Braking**  
To further increase efficiency, a regenerative braking system will provide additional charging for the batteries. Instead of using traditional brakes, the electric motors are used to slow down the train.
-  **Automatic In-Station Charging**  
To achieve all-day uninterrupted operation, a hands-free automatic charger is installed on the track in the station area. When the train is parked for loading/unloading the batteries will receive a quick charge. This also greatly reduces depth of discharge for increased battery life.

-  **Programmable Operation**  
Train operators can now equip their track circuit with RFID tags located at various points around the track to control train speed, position, and guest interaction. The train conductor can focus more on monitoring the safe operation of the train with fewer distractions.
-  **Collision Avoidance**  
As an additional safe-guard, the train can be equipped with a collision avoidance sensor to help prevent contact with guests or other objects. Once an obstacle is detected in the train's path, the brakes are activated to help avoid collision.
-  **Audio Effects**  
The electric drive system eliminates the noise associated with a standard combustion engine. To create 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 other audio you want your guests to experience.

-  **AC Electric Motors**  
AC motors carry several advantages over DC motors. AC motors are more efficient and require zero maintenance since they are brushless. AC motors are also far superior when it comes to regenerative braking.
-  **Solar Panels**  
Utilize renewable energy by adding solar panels to the roofs of your locomotive and trailing coaches to assist in recharging the batteries while further reducing your carbon footprint.
-  **Traction Control**  
Stop spinning your wheels. Add traction control to prevent wheel spin during acceleration or while climbing grades.



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
- Custom paint available
- Left or right entrance seat enclosure

# GO GREEN

Introducing the zero emissions, solar-battery powered Electric C.P. Huntington™ Train.



## LOCOMOTIVE

### Electric Motor

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

### Battery

Battery Type.....Lithium Iron Phosphate  
 Battery Voltage.....76v  
 Battery Capacity.....11 kWh  
 Battery Charger Supply.....220V Single Phase, 150 AMP

### 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, sander, public address system (optional), headlight, air whistle.

### General

Weight .....6,100 lbs. (2,767 kg)  
 Track Gauge ..... 24 in. (61 cm)  
 Recommended track curve radius ..... 75 ft. (23 m)  
 Recommended maximum uphill grade.....3%  
 Recommended maximum ridespeed  
 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  
 Maximum passenger weight.....3,010 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)

## 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 are effective as of publication date. Because we try to improve every Chance Rides product, these specifications are subject to change without notice. Dimensions given are approximate. For actual dimensions and installation specifications, please refer to Chance Rides foundation drawings. This ride conforms to all applicable ASTM amusement ride standards in effect on the date of manufacture.

