

**Model CR-100A Charge 'N Ride™ Fully Automatic Ride-on Vehicle Battery Charger**

Suitable for Many 12 Volt Fisher-Price® POWER WHEELS® Ride-On Vehicle & Scooter Batteries.

Suitable for Many 12 Volt Pég-Perego™ Ride-On Vehicle Batteries.

# Charge 'N Ride

**Kids Ride Again  
In 60 Minutes!\***



Patent numbers 5,694,023, 4,829,225 & 5,889,385

**—Save—  
Important Safety Instructions**

**CHARGE 'N RIDE BATTERY CHARGER IS NOT A TOY. KEEP OUT OF REACH OF CHILDREN.**

**SCHUMACHER ELECTRIC CORPORATION**  
801 BUSINESS CENTER DRIVE • MOUNT PROSPECT, ILLINOIS 60056-2179  
Send Warranty Product Repairs to: 1025 E. Thompson, Hoopston, IL 60942-0280  
Call Customer Service if you have questions: 1-800-621-5485

00-99-000306/0403

## –Save– Important Safety Instructions

### Warning – Read Rules for Safe Operation and Instructions Carefully

Working in vicinity of a lead-acid battery is dangerous. Batteries generate explosive gases during normal battery operation. For this reason, it is of utmost importance that each time before using your charger, you read this manual and follow the instructions exactly. Failure to do so could result in explosion and severe personal injury.

To reduce risk of battery explosion, follow these instructions and those published by the battery manufacturer of any equipment you intend to use in vicinity of battery. Review cautionary markings on these products.

#### A.

#### GENERAL BATTERY SAFETY

1. Battery charging must be done by an adult.
2. Before you use your battery charger, be sure to read all instructions and cautions printed on:
  - Battery Charger
  - Battery
  - Vehicle or unit using battery
3. Use battery charger on 12 Volt SEALED LEAD ACID type rechargeable batteries only that are used in specific Fisher Price® POWER WHEELS® or Pég Perego™ ride-on vehicles. Charger is not intended to supply power to low-voltage electrical systems.
 

**WARNING:** Do not use battery charger for charging dry-cell batteries that are commonly used with home appliances. These batteries may burst and cause injury to persons and damage to property.
4. Use only attachments recommended or sold by manufacturer. Use of non-recommended attachments may result in fire, electric shock, or injury.
5. When disconnecting the battery charger, pull by the plug not by the cord. Pulling on the cord may cause damage to cord or plug.
6. Locate battery power cord so it cannot be stepped on, tripped over, or subjected to damage or stress.
7. Do not operate charger with damaged cord or plug. Have cord replaced immediately.
8. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. Take it to a qualified professional for inspection and repair.
9. Do not disassemble charger. Take it to a qualified professional when service or repair is required. Incorrect reassembly may result in electric shock or fire.
10. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning.
11. Do not use an extension cord unless absolutely necessary. Use of an improper extension cord could result in fire or electric shock. If an extension cord must be used, make sure that:
  - Pins on plug of extension cord are the same number, size, and shape as those of plug on charger.
  - Extension cord is properly wired and in good electrical condition.
  - Wire size is large enough for AC ampere rating of charger, as specified below:

<b>Length of cord (feet):</b>	<b>25</b>	<b>50</b>	<b>100</b>	<b>150</b>
<b>AWG size of cord:</b>	<b>18</b>	<b>18</b>	<b>16</b>	<b>14</b>
12. Always charge battery in a well-ventilated area.
 

**NEVER** operate in a closed-in or restricted area without adequate ventilation.

**WARNING:** Risk of explosive gas.

**WARNING:** Battery chargers get hot during operation and must have proper ventilation. Air needs to flow around entire charger. Do not set on flammable items like carpeting, upholstery, paper, cardboard, etc. Will damage leather and melt plastic and rubber.
13. Locate charger as far away from battery as DC charger cables permit.
14. Do not expose charger to rain or snow.
15. **NEVER** charge a frozen battery. If battery fluid (electrolyte) is frozen, bring into a warm area to thaw before charging.
16. **NEVER** set a battery on top of charger.
17. **NEVER** place charger directly above battery being charged. Gases from battery will corrode and damage charger.

## B. PERSONAL PRECAUTIONS AND SAFETY

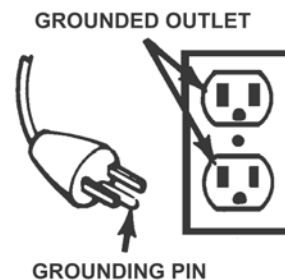
1. **WARNING:** Wear complete eye protection and clothing protection when working with lead-acid batteries.
2. Make sure someone is within range of your voice or close enough to come to your aid when you work with or near a lead-acid battery.
3. Have plenty of fresh water and soap nearby for use if battery acid contacts skin, clothing, or eyes. If battery acid contacts skin or clothing, wash immediately with soap and water.
4. Avoid touching your eyes while working with a battery. Acid particles (corrosion) may get into your eyes! If acid enters your eye, immediately flood eye with running cold water for at least 10 minutes. Get medical attention immediately.
5. Remove all personal metal items such as rings, bracelets, necklaces, and watches when working with a lead-acid battery. A lead-acid battery can produce a short-circuit current high enough to weld a ring (or the like) to metal, causing a severe burn.
6. Take care not to drop a metal tool or other metal onto the battery. Metal may cause sparking or short circuit the battery or another electrical device. Sparking may cause an explosion.
7. Always operate battery charger in an open, well-ventilated area.
8. **NEVER** smoke or allow a spark or flame in the vicinity of the battery or engine. Batteries generate explosive gases!
9. **NEVER** allow children to charge the battery. Battery charging must be done by adults only.
10. **WARNING:** Handling the cord on this product or cords associated with accessories sold with this product, will expose you to lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. **Wash hands after handling.**

## C. GROUNDING AND AC POWER CORD CONNECTION INSTRUCTIONS

Charger should be grounded to reduce risk of electric shock. Charger is equipped with an electric cord having a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and ordinances.

**DANGER** – Never alter AC cord or plug provided – if it will not fit outlet, have proper outlet installed by a qualified electrician. Improper connection can result in a risk of an electric shock.

**CAUTION** – To reduce risk of fire or electric shock, connect battery charger directly to grounding receptacle (three-prong). An adapter should not be used with battery charger.



## D. ENREV ENHANCED



Enrev Enhanced is a patented and proprietary battery charging technology that allows your Charge 'N Ride™ charger to charge your battery more quickly and efficiently, providing you with long life for your rechargeable battery. Patent numbers 5,694,023, 4,829,225 & 5,889,385.

## E. PREPARING TO CHARGE

1. Make sure you have one of the 12 volt battery systems as listed in "BATTERY TYPES AND CONNECTORS".
2. Remove battery from vehicle to charge. Make sure all accessories in the vehicle are off, so as not to cause an arc.
3. Clean and inspect battery. Examine the battery for excessive wear, cracks, bulging or damage. If damage is detected, do not charge and replace immediately. If battery is hot, allow it to cool before charging.
4. Study all battery manufacturer's specific precautions.
5. Be sure area around battery is well ventilated while battery is being charged. Gas can be forcefully blown away by using a piece of cardboard or other non-metallic material as a fan.







**F.**

**BATTERY TYPES AND CONNECTORS**

These three connectors cover about 80% of the 12-Volt or two 6-Volt Ride-On Vehicles in the market. Vehicles prior to 1999 may have different connectors.

NOTE: If you do not have any of the battery systems listed below, do not use the Charge 'N Ride™ to charge the battery.

NOTE: For a replacement harness assembly, contact Schumacher customer service at 1-800-621-5485.

If Your Battery Looks Like...	And Your Vehicle's Wiring Or Charging Harness Look's Like...	Follow These Instructions...
 <p>POWER WHEELS® by Fisher Price® 12 Volt 9.5 Ampere Hour. Type "12V" power systems. Model 74777.</p>	 <p>Replacement part number for harness P/N 1232.</p>	<p>Connect supplied harness assembly by mating the blue connector (P/N 0203) to the black connector (P/N 0202) on the end of the charger. The two connectors should snap into place.</p>
 <p>POWER WHEELS® by Fisher Price® 6 Volt 9.5 Ampere Hour. 12V Type "A" power systems. Model 74522. Requires 2 batteries to make 12 volt system.</p>	 <p>Replacement part number for harness P/N 1202.</p>	<p>Connect supplied harness assembly by mating the blue connector (P/N 0203) to the black connector (P/N 0202) on the end of the charger. The two connectors should snap into place.</p>
 <p>Peg-Pérego™ 12V 12AH sealed rechargeable battery with Blue connector (P/N 0203).</p>	 <p>No additional harness assembly is needed. Black - P/N 0202</p>	<p>Connect black connector (P/N 0202) on the end of charger directly to the battery. The two connectors should snap into place.</p>

## G.

## OPERATING INSTRUCTIONS

1. Disconnect the vehicle's wiring harness to remove the battery and then place battery upright. Examine the battery for excessive wear, cracks, bulging or damage each time you charge the battery. If damage is detected, do not charge the battery and replace immediately. If the battery is hot, allow it to cool before charging.
2. Select the proper charging connector for the battery – See "BATTERY TYPES AND CONNECTORS" in Section F.
3. With the charger disconnected from the wall outlet, connect the charger connector to the battery. Make sure the connector is fully inserted into the battery or battery wire harness.
4. Plug the charger into a standard wall outlet. If the battery is connected correctly, the red LED will light solid and the unit will begin charging the battery. If the red LED is flashing, check the connection (See **TROUBLESHOOTING**).
5. **QUICK CHARGE** - When the green LED begins to flash, the battery is "Ready to use". Disconnect the charger from the wall outlet and then disconnect the battery charger from the battery.

**NOTE:** The red LED will remain lit while the green LED is flashing. For better results, leave the charger connected until vehicle is ready to be used.

6. **COMPLETE CHARGE** – When the green LED turns solid and the red LED turns off, the battery is completely charged and is being maintained by the Charge 'n Ride™. When ready to use, disconnect the charger from the wall outlet and then disconnect the battery charger from the battery.

**NOTE:** For longer battery life, the battery must be completely charged after two consecutive quick charges.

**NOTE:** A pulsing noise is normal while the battery charger is charging the battery. A buzz or hum is normal anytime the AC power cord is connected to an electrical source (i.e. wall outlet).

## H.

## LED DISPLAY



**Charge 'N Ride™** 

**Fully Automatic Battery Charger & Maintainer**

**For 12 Volt Ride-On Vehicle Batteries**

**Suitable for Fisher-Price® Power Wheels® Ride-On Vehicles & Scooters and Peg-Pérego™ Ride-On Vehicles**

FLASHING RED	HOOKUP OR CHECK BATTERY
SOLID RED	CHARGING
FLASHING GREEN	READY TO USE*
SOLID GREEN	CHARGE COMPLETE** AND MAINTAIN

\* 60 - 90 MINUTE QUICK CHARGE  
\*\* 3 - 5 HOUR COMPLETE CHARGE  
READ WARNING ON BACK AND INSTRUCTION MANUAL  
INPUT: 120V AC 60Hz 1.6 A OUTPUT: 12V DC 6 A  
MODEL CR-100A 0899001654

**ENREV ENHANCED** Patent # 5,594,833 4,879,725 5,889,385

**Schumacher**

**LED Indicators:** The battery charger has two LED lights. They indicate different functions.

**FLASHING RED LED** – A SLOW flashing red LED indicates the battery is NOT correctly connected and the connections need to be checked. The charger must detect a minimum of 1V in order to turn the charger on. A RAPIDLY flashing red LED will indicate the charger has detected a fault condition within the battery and has aborted the charge. Disconnect the charger from the wall outlet and from the battery. The battery should be replaced and recycled.

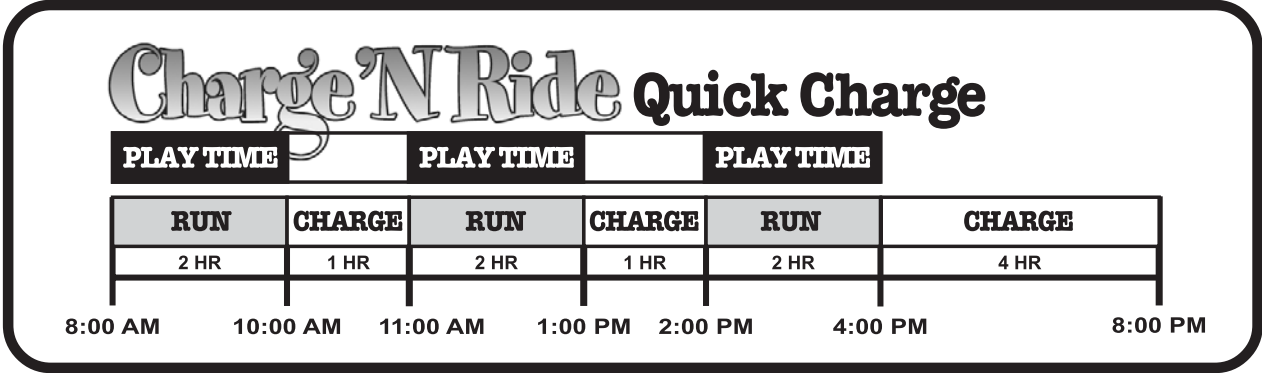
**SOLID RED LED** – A steady glow indicates the charger is CHARGING.

**FLASHING GREEN LED** – A flashing green LED indicates the battery is nearing a complete charge. The battery is "Ready to use".

**SOLID GREEN LED** – A steady glow indicates that the battery is COMPLETELY CHARGED and is being maintained.

**I. QUICK CHARGE AND COMPLETE CHARGE**

The Charge 'N Ride™ is equipped with a QUICK charge feature. When the green LED begins to flash, the battery is “Ready to use”. When the green LED turns solid and the red LED turns off, the battery is completely charged and is being maintained by the Charge 'n Ride™. It is important to do a COMPLETE charge after no more than two QUICK charges (example: Quick – Quick – Complete) to ensure longer battery life.



**J. PROLONGED STORAGE**

The Charge 'N Ride™ will maintain the battery during extended periods of non-use. Simply leave the charger connected and it will monitor the battery and charge as needed. During monitoring, the green LED will remain on. If the battery voltage drops to a preset level, the charger will begin charging in the “Ready to use” state (the red LED will turn on and the green LED will flash until the battery is completely charged).

**K. MAINTENANCE/CLEANING/STORAGE INSTRUCTIONS**

- Very little maintenance is required for the battery charger. Follow common sense in wiping the charger clean and store in a clean, dry area.
1. After use, wipe any dirt or oil from connectors, cords, and charger case with a dry cloth.
  2. Coil charger cords to prevent damage.
  3. Have any cracked or frayed cords replaced by a qualified professional.
  4. Store battery charger in a clean, dry area.

**L. CIRCUIT BREAKER**

This battery charger is equipped with a self-resetting circuit breaker. This device protects the charger from temporary overloads. In the event of an overload, the circuit breaker will trip open and after a short cooling off period will reset automatically. This process is known as cycling and can be recognized by an audible clicking sound.

**CAUTION:** Cycling of the breaker is not a normal condition for the charger and may indicate shorted battery cells or other battery fault. (See **TROUBLESHOOTING**).

**M.****TROUBLESHOOTING**

The battery charger is designed to work automatically. However, If a problem does occur, check the following:

<b>PROBLEM</b>	<b>POSSIBLE CAUSE</b>	<b>SOLUTION</b>
No LEDs are lit.	Charger is not plugged in. AC outlet is not working.	Plug in.  Plug in a lamp or other appliance to check to see that the outlet is working.
Red LED continues to flash when battery is connected.	Battery voltage is less than one volt.  Connection to battery is bad.  Circuit Breaker is open on charger.  Fuse (if so equipped) on battery is open.  Internal circuit breaker (if so equipped) on battery is open.	Battery may need to be replaced. Suggestion: Use charger provided with vehicle to bring voltage above one volt. Charge for the recommended number of hours as listed in the vehicle instruction manual.  Remove and reconnect connectors. Inspect and clean terminals on battery and charger.  Wait a few minutes for circuit breaker to reconnect (see Circuit Breaker Section). Battery may be defective.  Replace fuse with same type and amperage rating.  Replace and recycle battery if breaker is permanently open.
The green LED does not flash after 90 minutes.	The battery is very depleted or sulfated.	Continue charging.
The red LED is on while the green LED is flashing.	This is normal. Battery will continue to charge until complete.	Continue charging.
The red LED is rapidly flashing.	The charger detected a fault condition while charging the battery.	Replace and recycle the battery.
Shortened ride times.	Normal under some conditions.  Battery is nearing end of life.	Ride times vary depending on the type of car, type of terrain, weight of rider, speed setting, etc.  Replace and recycle the battery.
Battery will not take a charge.	Battery is sulfated, shorted or damaged.	Replace and recycle the battery.
A new battery will not take a charge.	Battery self discharged while on the store shelf and may be sulfated.	Replace or return the battery. Suggestion: Repeat charging or use the wall pack charger supplied with the vehicle for the first charge. Charge for the recommended number of hours as listed in the vehicle instruction manual.
The charger is making a humming or pulsing sound.	This is normal.	Continue charging.

If you are unable to correct the problem using the troubleshooting chart, contact Customer Service at 1-800-621-5485.

## PRODUCT WARNING LABEL

### **WARNING: RISK OF EXPLOSIVE GAS MIXTURE!**

- Charge only 12 volt lead acid or sealed lead acid type rechargeable batteries. Other types of batteries may burst, causing personal injury and damage.
- Connect and disconnect battery connector only when supply cord is disconnected.
- Do not smoke, strike a match, or cause a spark in vicinity of battery during charging.
- Use in a well-ventilated area. This charger is equipped with a circuit breaker that may produce arcs or sparks. If used in a garage, locate not less than 18 inches above the floor.
- Do not overcharge battery — See instruction manual.
- Do not expose to rain.
- Replace defective cords or wires immediately.



### **WARNING: FOR ADULT USE ONLY! KEEP OUT OF THE REACH OF CHILDREN!**

Failure to heed these warnings could result in severe personal injury and property damage.

Made in Mexico

0899001912

## LIMITED WARRANTY

SCHUMACHER ELECTRIC CORPORATION, 801 BUSINESS CENTER DRIVE, MOUNT PROSPECT, ILLINOIS 60056-2179 MAKES THIS LIMITED WARRANTY TO THE ORIGINAL PURCHASER AT RETAIL OF THIS PRODUCT. THIS LIMITED WARRANTY IS NOT TRANSFERABLE.

Schumacher Electric Corporation warrants this battery charger for one year from date of purchase at retail against defective material or workmanship. If such should occur, the unit will be repaired or replaced at the option of the manufacturer. It is the obligation of the purchaser to forward the unit together with proof of purchase, transportation and/or mailing charges prepaid to the manufacturer or its authorized representative.

This limited warranty is void if the product is misused, subjected to careless handling, or repaired by anyone other than the manufacturer or its authorized representative.

The manufacturer makes no warranty other than this limited warranty and expressly excludes any implied warranty including any warranty for consequential damages.

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