

EZYREV 100 Fold



EzyRev.com.au

PHONE: 1300 EZY REV 1300 399 738

SMS: 0450 EZY REV 0450 399 738

CONTENTS

<u>SECTION 1.GENERAL.....</u>	<u>1</u>	
1. Important.....	1	2.
Limited Warranty.....	2	
<u>SECTION 2.YOUR TRAVEL SCOOTER.....</u>	<u>3</u>	
<u>SECTION 3. PRE-RIDE SAFETY CHECK.....</u>	<u>5</u>	
1. <u>Initial Safety Inspection/Adjustment.....</u>	<u>5</u>	
<u>SECTION 4. SAFETY GUIDELINE AND TECHNIQUES.....</u>	<u>6</u>	
1. User Introductions.....	6	2.
Weight Limitations.....	6	3.
Tire Information.....	7	4.
Brake Information.....	7	5.
Freewheel and Drive mode.....	7	6.
Traffic Rules.....	7	7.
Corner Information.....	7	8.
Doorway Information.....	8	9.
Stairs.....	8	10.
Escalators.....	8	11.
Elevators.....	8	12.
Lift System /Elevation Products.....	8	13.
Ramp Information.....	9	14.
Stationary Obstacle Information.....	10	15.
Weather.....	11	16.
EMI /RFI.....	11	17.
Transportation Information	12	18.
Reaching, Leaning, Bending.....	12	19.
Battery.....	12	
<u>SECTION 5.MANEUVERABILITY.....</u>	<u>12</u>	
1. Seat.....	12	2.
Motors lock levers.....	13	3.
Wheels.....	13	
<u>SECTION 6.BATTERIES AND CHARGING.....</u>	<u>13</u>	
1. Batteries.....	13	2.
Batteries Charging.....	13	3.
Battery Efficiency.....	13	
<u>SECTION 7.CLEANING, CARE AND MAINTENANCE.....</u>	<u>15</u>	
<u>APPENDIX I – SPECIFICATIONS.....</u>	<u>20</u>	

GENERAL

1. IMPORTANT

WARNING! An authorized EzyRev Provider or a qualified technician **MUST** perform the initial setup of this mobility scooter and must perform all of the procedures in this manual. Fail to follow the instructions in this manual and those located on your mobility scooter can lead to personal injury and/or damage to your mobility scooter, including voiding the warranty.

NOTE: EzyRev reserves the right to make changes as they become necessary. Any changes to our products may cause some variations between the illustrations and explanations in this manual and the product you have purchased.

Signal words are used to identify the hazards or unsafe practices and important information. It is pretty important for you to read and understand them completely.



WARNING! Indicates an imminently or potentially hazardous situation/conditions, if not avoided, could result in either personal injury, product damage, or malfunction. On the product, this icon is represented as a black symbol on a yellow triangle with a black border and with black “WARNING” letterings.



CAUTION! Indicates the alertness and prudence in a hazardous situation and proceed with caution for any actions. Fail to perform them can result in personal injury and/or product damage. On the product, this icon is represented as a black symbol on a yellow triangle with a black border and with black “CAUTION” letterings.

2. LIMITED WARRANTY

The warranty periods are limited by EzyRev mobility product internal parts and external factors out of EzyRev’s control. This warranty is extended only to the original purchaser who purchases this product when new and unused from EzyRev or a dealer. This warranty is not extended to any other person or entity and is not transferable or assignable to any subsequent purchaser or owner.

Coverage under this warranty will be voided upon any such subsequent sale or other transfer.

1. LIFETIME LIMITED WARRANTY

EzyRev will repair or replace the following structural frame components at our option to the original purchaser for free and for lifetime of your power chair from the date of purchase with a copy of the seller’s invoice and through examination by an authorized representative of EzyRev to be defective in material and/ or workmanship: Main Frame

2. TWO-YEAR LIMITED WARRANTY

EzyRev will repair or replace the following parts at our option to the original purchaser for free and for two (2) years of your power chair from the date of purchase with a copy of the seller's invoice and through examination by an authorized representative of EzyRev to be defective in material and /or workmanship:

Main frame assemblies, including: Anti-tip forks, Caster beam, Caster forks, Metal seat framing

3. 12-MONTH LIMITED WARRANTY

EzyRev will repair or replace these parts at our option to the original purchaser for free for twelve (12) months from the date of purchase with a copy of seller's invoice and through examination by an authorized representative of EzyRev to be defective in material and/ or workmanship:

- a. Motor/ Gearbox assembly
- b. Charger assembly
- c. Controller
- d. Joystick
- e Brakes (electronic function ONLY)

4. SIX-MONTH LIMITED WARRANTY

EzyRev will repair or replace at our option to these parts to the purchaser for free for six(6)months from the date of purchase with a copy of seller's invoice and through examination by an authorized representative of EzyRev to be defective in material and/or workmanship: Battery

WARRANTY EXCLUSIONS

This warranty does not extend to those items which may require replacement due to normal wear and tear or failure to adhere to the product instructions

- a. ABS plastic shrouds
- b. Motor brushes
- c. Upholstery and seating
- d. Brake Pads
- e. Tires and tubes
- f. Fuses/ Bulbs
- g. Circumstances out of EzyRev's control
- h. Labor, service calls, shipping, and other charges incurred for repair of the product
- i. Repairs and/ or modifications to any parts without EzyRev's consent Exclusions also include the damage caused by following situation:
 - a. Contamination
 - b. the serial numbered products' serial number has been removed or defaced
 - c. Abuse, misuse, accident, or negligence
 - d. Battery fluid spillage or leakage
 - e. Commercial use, or use other than normal
 - f. Improper operation, maintenance or improper storage

The foregoing express warranty is exclusive and in lieu of any other warranties whatsoever, whether express or implied, including the implied warranties of merchantability and fitness for a particular purpose, and the sole remedy for violations of any warranty whatsoever, shall be limited to repair or replacement of the defective product pursuant to the terms contained herein. The application of any implied warranty whatsoever shall not extend beyond the duration of the express warranty provided herein. EzyRev shall not be liable for any consequential or incidental damages whatsoever.

WARRANTY SERVICE

Warranty service must be performed by an authorized EzyRev provider. Do not return faulty parts to our factory without prior written consent. Purchaser is responsible for all shipping costs and transportation damage incurred while submitting parts for repair or replacement.

Fail to follow the owner's manual, instructions and warnings can result in personal injury or product damage and also will end EzyRev's product warranty.

For warranty service, please contact the dealer from whom you purchased your EzyRev product. In the event you do not receive satisfactory warranty service, please write directly to EzyRev at the address to info@gerider.com or call +86-21-57650756. Provide dealer's name, address, the product model number, date of purchase, indicate nature of the defect and, if the product is serialized, indicate the serial number.

YOUR TRAVEL SCOOTER

Your mobility scooter has two main assemblies: the seat assembly and the power base assembly. See figure 1. Typically, the seat assembly includes seatback, seat base and optional armrest and seat belt. The power base assembly includes motor/brake assemblies, drive wheels, anti-tip wheels, battery box, and wiring harnesses. **See figures 1.**



Figure 1

ELECTRICAL COMPONENTS

Main electrical components include tiller console, motor/transaxle assembly, removable battery pack case and the controller connector(s) are located inside the power base. See **Figure2** Tiller Console and **Figure3**. Rear Section.



Figure 2



Figure 3

1	Key Switch	4	Speed Adjustment Dial	7	Removable Battery Case	10	Main Circuit Breaker	12	Motor/Transaxle Assembly
2	Light Switch	5	Horn	8	Charging Port	11	Anti-tip Wheel	14	Anti-tip Wheel
3	Battery Condition Meter	6	Throttle Controller Lever	9	Manual Freewheel Lever	12	Battery Locker		

Key Switch

Insert the key into the key switch and turn it clockwise to power up (turn on) your Travel Scooter. Turn the key counter clock wise to power down (turn off) your Travel Scooter.

Although the key can be left in the key switch when the Travel Scooter is powered down, we recommend removing it to prevent unauthorized use of your Travel Scooter.

WARNING! If the key is moved to the “off” position while your Travel Scooter is in motion, the electronic brakes will engage and your Travel Scooter will come to an abrupt stop!

Throttle Control Lever

This lever allows you to control the forward speed and the reverse speed of your Travel Scooter up to the maximum speed you preset with the speed adjustment dial.

To Move Forward, use either of the following:

Use your left thumb to push the left side of the throttle control lever.

Use your right hand fingers to pull back on the right side of the throttle control lever.

To Move Backward, use either of the following:

Use your right thumb to push the right side of the throttle control lever.

Use your left hand fingers to pull back on the left side of the throttle control lever.

Release the throttle control lever and allow your Travel Scooter to come to a complete stop before engaging the other side of the lever. When the throttle control lever is completely released, it automatically returns to the center “stop” position and engages your Travel Scooter’s brakes.

Speed Adjustment Dial

This dial allows you to preselect and limit your Travel Scooter’s top speed.

The image of the tortoise represents the slowest speed setting.

The image of the hare represents the fastest speed setting.

Folding and Unfolding your Travel Scooter

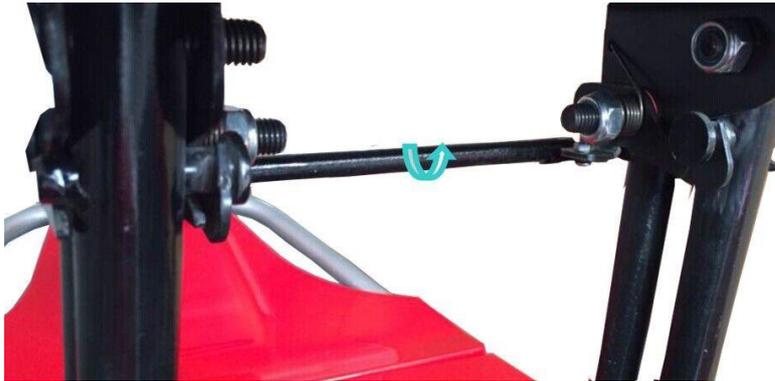


Figure 4.Folding Up Lever

Your Travel Scooter can be easily folded up via lifting this Folding Up Lever with one hand to make the hooks detached from the fixing bolts, and then pushing the seat pad forwardly to make the seat completely folded on your scooter platform.

Warning! The hooks were detached from the fixing bolts upon the receipt of your travel scooter, make sure that you will attached the hooks firmly into the fixing bolts when you unfold the scooter, fail to do it will cause damage to the scooter and body hurt , and also will void the warranty.

PRE-RIDE SAFETY CHECK

Perform the following inspections prior to using your Travel Scooter:

1. Ensure that your Mobility scooter runs straight(no excessive drag or pull to one side)
2. Inspect for loose or missing hardware on frame, plastic components ,cross brace and electrical devices
3. Inspect for bent frame or cross-braces
4. Make sure that your mobility scooter only engage freewheel mode when on a level surface
5. Check both the drive wheels and caster wheels to make sure that they were definitely equipped well and safely, stand aside your mobility scooter when check the wheels, as unintended movement may occur.
6. Inspect the seat and seat back for rips, sagging and for loose or broken hardware.
7. Check the seat positioning strap for any signs of wear if your mobility scooter has the seat belt under your requests, and make sure the buckle latches. Verify hardware that attaches strap to frame is secured and undamaged.
8. Inspect the solid tires for flat spots and wear / and check for proper tire inflation. Maintain but do not exceed the psi/bar/kpa air pressure rating indicated on each tire if equipped with pneumatic tires

9. Check all electrical connections. Make sure they are tight and not corroded
10. Check the controller connections. Make sure they are secured properly
11. Check the brakes. See “Care and Maintenance” column
12. Check the battery charge. See “Batteries and Charging” column
13. Unfold your travel scooter, refer to **Folding and Unfolding your Scooter**.

NOTE: If you find out any problem or you need our further explanation for a thorough understanding, feel free to contact your authorized EzyRev Provider for any assistance.

Navigating safety guideline and techniques

1. User Introductions (IQ, alcohol, smocking, drug, get help)

EzyRev’s mobility scooter aimed at best fitting in the individual needs of mobility aid user. We have a variety of products for your choice, and the mobility aid user, who is capable of making decision to choose the best fit for himself/herself, and his/her healthcare professional(i.e., medical doctor, physical therapist, health care provider, etc.) are responsible for the final choice and purchasing decision concerning the type of mobility aid to be used.

A trained attendant must be needed in certain situations, and a trained attendant can be defined as a family member or care professional specially trained in helping a mobility scooter user in various daily living activities.

Users must exercise care and common sense when operating a mobility scooter. It includes awareness of safety issues and especially when taking prescribed or over-the-counter drugs or when the user has specific physical limitations.

WARNING! Consult your physician if you are taking prescribed or over-the-counter medication or if you have certain physician limitations. Some medications and limitations can impair your ability to operate your mobility scooter safely.

Users must exercise care and common sense when operating a mobility scooter. It also includes awareness of safety issues while under the influence of alcohol or while smoking.

WARNING! DO NOT operate your mobility scooter while you drank alcohol, as it also can impair your ability to operate your power chair safely.

WARNING! DO NOT nap or sleep on your mobility scooter, as unintended movement may occur when you fall asleep for a period of time and it may affect the center gravity adversely, result in tipping over or injury.

WARNING! EzyRev strongly recommends that you do not smoke while seated in your power chair, although the mobility scooter has passed the necessary testing requirements for smoking. You must adhere to the following safety guidelines if you decide to smoke while seated in your mobility scooter.

DO NOT leave lit cigarettes unattended.

Keep ashtrays a safe distance from the seat cushions

Ensure the cigarettes are thoroughly extinguished before disposal

2. Weight Limitations

The weight limit on specifications table is a maximum weight capacity and this maximum weight capacity includes the combined weight of the user, any accessories mounted to the mobility scooter and the luggage the user carry.

MANDATORY! Stay within the specified weight capacity of your mobility scooter. Exceeding the weight capacity voids your warranty. EzyRev will not be responsible for injuries and / or property damage caused by failing to observe weight limitations.

WARNING! Do not carry passengers on your mobility scooter. As carrying passengers on your mobility scooter may have an adverse effect on the center of gravity, resulting in a tip or a fall.

WARNING! EzyRev does not recommend the use of its mobility scooter as a weight training apparatus. EzyRev mobility scooters have not been designed and / or tested as a seat for any weight training. If occupant uses said mobility scooter as a weight training apparatus, EzyRev will not be held responsible for bodily injury or damage the mobility scooter and it will also result in voiding warranty.

3. Tire Information

There are two (2) types of tires may be available, they are solid tires and pneumatic tires. For the solid tires, check for flat spots and wear. Maintain but do not exceed the psi/bar/kpa air pressure rating indicated on each tire if equipped with pneumatic tires.

NOTE: if the tire on your power chair lists the psi rating only, use the below conversion formulas to find the bar or kPa rating: $\text{bar} = \text{psi} \times 0.06895$; $\text{kPa} = \text{psi} \times 6.89476$

WARNING: Inflate the pneumatic tires from a regulated air source with an available pressure gauge. Inflating your tires from an unregulated air source could overinflate them and then resulting in burst.

4. Brake information

Your mobility scooter is equipped with these powerful brake systems. You can test the brake performance by slowly pushing or pulling the throttle control lever until you hear the electric brakes click and then release the throttle control lever. Refer to instructions of inspecting the brakes in “Weekly Inspections” of “Clean, Care and Maintenance”.

Regenerative — uses electricity to rapidly slow the vehicle when the throttle control lever returns to the center/stop position.

Disc Park Brake — activates mechanically after regenerative braking slows the vehicle to near stop, or when power is removed from the system for any reason.

5. Freewheel and Drive mode

As illustrated in “Your Mobility Scooter” content, you can use one (1) freewheel lever to transfer the freewheel mode to be drive mode or drive mode to be freewheel mode, See “Your Mobility Scooter” in details, the freewheel mode is for manual maneuverability by a trained attendant, and the drive mode is for performing the electric maneuverability.

WARNING! DO NOT transfer to be freewheel mode by yourself and be sure your attendant will do it for you and he /she can make sure your mobility scooter will NOT run uncontrollably to cause any injury.

WARNING! DO NOT seat on your mobility scooter in freewheel mode without an attendant present.

Be sure you will get help from your attendant if necessary.

WARNING! DO NOT place your mobility scooter in freewheel mode while on an incline or decline. It can result in injury through rolling uncontrollably on its own.

6. Traffic rules

Your mobility scooter chair is designed to be conformity with the pedestrian speed, **MUST** obey all local pedestrian traffic rules. Keep in mind that it may be difficult for traffic to see you when you are seated on your mobility scooter, so drive cautiously and wait until your path is clear of traffic and then move forward very carefully

WARNING! DO NOT operate your mobility scooter on public streets and roadways, as it will be very difficult for traffic to see you when you are on your mobility scooter.

7. Corner Information

While your mobility scooter is equipped with front and rear caster wheels, excessively high cornering speeds can still create the possibility of tipping (very similar to drive car during cornering). Factors which affect the possibility of tipping include, but are not limited to: cornering speed, steering angle (how sharply you are turning), uneven road surfaces, inclined road surfaces, riding from an area of low traction to an area of high traction (such as passing from a grassy area to a paved area – especially at high speed while turning), and abrupt directional changes. High cornering speeds are not recommended. If you feel that you may tip over in a corner, reduce your speed and steering angle (i.e., lessen the sharpness of the turn) to prevent your mobility scooter from tipping.

WARNING! When cornering sharply, reduce your speed and maintain a stable center of gravity.

When using your Travel Scooter at higher speeds, do not corner sharply. This greatly reduces the possibility of a tip or fall. Always exercise common sense when cornering.

8. doorway Information

In order to be in full and confident control as you maneuver through doorways, be awareness the whole width of your Travel Scooter and the doorway width to make sure that you can go through the doorways smoothly.

Determine if the door opens toward or away from you.

Maneuver your mobility scooter gently and slowly forward to push the door open, or operate your mobility scooter gently and slowly backward to pull the door open, and be careful when operate your mobility scooter backward, as some one or some thing may come up during your driving backward, ask for help if possible.

9. Stairs

This mobility scooter is not designed to travel up or down stairs. Always use an elevator.

WARNING! Never use your mobility scooter to negotiate stairs and steps.

10. Escalators

This mobility scooter is not designed to travel up or down Escalators. Always use an elevator.

WARNING! Never use your mobility scooter to negotiate escalators.

11. Elevators

Most Elevators have a door edge safety mechanism that, when pushed, reopens the elevator door(s). If you are in the door way of an elevator when the door(s) begin to close, push on the medium door edge (which has sensor) and allow the medium door edge to contact the mobility scooter and the door will reopen.

Be care that the pocketbooks, packages, or mobility scooter accessories do not become caught in elevator doors.

12. Lift system /Elevation products

Most of the EzyRev mobility scooter is structured with aluminum frames, and it can be easily disassembled several individuals, so your mobility scooter will not that heavy. See Specification table for the weight, however, if you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoid lifting beyond your capacity. You may find it necessary to use a vehicle-mounted lift system or elevation product to aid in transportation .EzyRev recommends that you closely review the instructions, specifications, and safety information set forth by the manufacturer of the lift/elevation product before using that product.

WARNING! Not all lift systems/elevation products are rated for use with an occupied mobility device. EzyRev recommends that you do not remain seated in your mobility scooter when it is being used in connection with any type of lift system/elevation product unless:

That product is rated for occupied use by the manufacturer.

You are able to occupy your mobility device in strict conformity with the warnings, instructions, specifications, and safety guidelines set forth by the manufacturer.

WARNING! Always turn off the power to the controller when you are being transferred via an elevation product. Failure to do so may result in accidental joystick contact, resulting in unintended movement and personal injury or product damage.

13. Ramp Information

Figure 6 illustrates your Travel Scooter's stability and its ability to climb grades under various weight loads and under controlled testing conditions. These tests were conducted with the Travel Scooter's seat in the highest position and adjusted rearward on the seat base to its farthest rearward position. Use this information as a guideline. Your Travel Scooter's ability to travel up inclines is affected by your weight, your Travel Scooter's speed, your angle of approach to the incline and your Travel Scooter setup. See figure 6.

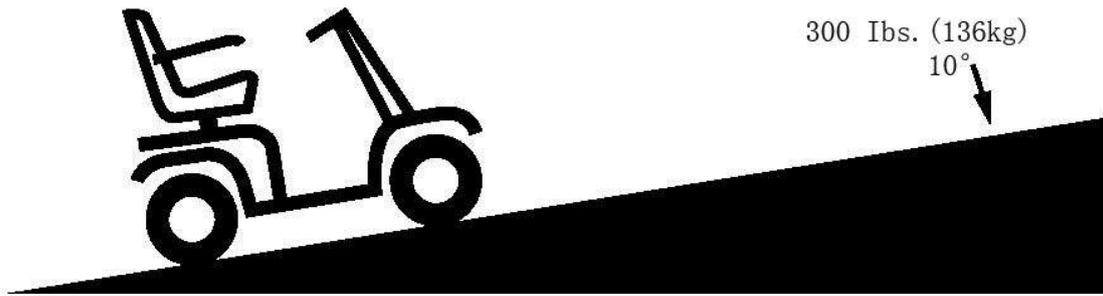


Figure 6. Maximum Recommended Incline Angle

WARNING! Any attempt to climb or descend a slope steeper than what is shown in figure may have your Travel scooter be unstable and result in tipping.

When you approach an incline, it is best to lean forward. See figures 7 and 8. This shifts the center of gravity of you and your Travel Scooter toward the front of the Travel Scooter for improved stability.

NOTE: When negotiating ramps, if the throttle control lever is released while moving forward, the powered Travel Scooter may "rollback" approximately 1 foot (30.5 cm) before the brake engages. If the throttle control lever is released while moving in reverse, the powered Travel Scooter may "rollback" approximately 3 feet (1 meter) before the brake engages.



Figure 7. Normal Driving Position



Figure 8. Increased Stability Driving Position

WARNING! Even though your mobility scooter is capable of climbing slopes greater than those illustrated in figure 6, **DO NOT**, under any circumstances, exceed the incline guidelines or any other specifications presented in this manual. Doing so could cause instability in your mobility scooter.

14. Stationary Obstacle Information

For safely navigate up and down a stationary obstacle or a curb, EzyRev recommends that the maximum height of a stationary obstacle or a curb does not exceed 2in.(50mm)

WARNING! Even though your power chair may be capable of handling greater obstacles, EzyRev recommends that you **DO NOT** attempt to negotiate a curb that higher than 2 in. (5 cm).Doing so can cause instability in your power chair.

Negotiating stationary obstacles (such as raised surfaces, unprotected ledges, and / or curbs, porches, etc.) needs extreme caution and thorough awareness. Make sure your driving your power chair perpendicular to these stationary obstacles. Here is some suggestion which have been tried by many users successfully, you can also have a try or you can do in a better and safer way which is the most suitable for your situations. Be sure that you will exercise with extreme caution and very clear awareness when negotiating an obstacle in whatever way.

Navigating up a curb or stationary obstacle:

1. Approach the curb or obstacle slowly, and make sure the power chair is traveling perpendicular to the obstacle .See figure 9 and 10.

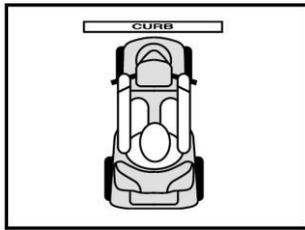


Figure 9. Correct Curb Approach

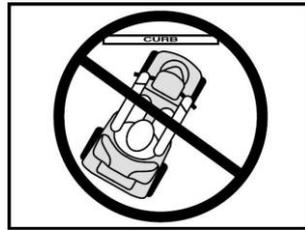


Figure 10. Incorrect Curb Approach

2. Increase the forward speed just before the front wheels come in contact with the obstacle.
3. Reduce the forward speed only after the rear wheels have cleared the obstacle.

Navigating down a curb or stationary obstacle:

1. Approach the curb or obstacle slowly, and make sure your Travel Scooter is traveling perpendicular to the obstacle. See figure 9.
2. Reduce the forward speed just before the front wheels come in contact with the obstacle.
3. Increase the forward speed only after the rear wheels have cleared the obstacle and you are once again on a level surface.

WARNING! DO NOT attempt to have your power chair proceed backward down any step, curb, or other obstacle. This may cause the power chair to tipping over.

WARNING! Do not drive near raised surfaces, unprotected ledges, and/or drop-offs (curbs, porches, stairs, etc.).

WARNING! Do not attempt to have your Travel Scooter climb or descend an obstacle that is inordinately high.

WARNING! Do not attempt to have your Travel Scooter proceed backward down any step, curb, or other obstacle. This may cause the Travel Scooter to tip.

WARNING! Be sure your Travel Scooter is traveling perpendicular to any curb you may be required to ascend or descend. See figures 3 and 3A.

WARNING! Do not attempt to negotiate a curb that has a height greater than 2 in. (5 cm).

15. INCLEMENT WEATHER PRECAUTIONS

Exposure of your Travel Scooter to inclement weather conditions should be avoided whenever possible. If suddenly caught up in rain, snow, severe cold or heat while operating your Travel Scooter, proceed to shelter at the earliest opportunity. Thoroughly dry your Travel Scooter, before storing, charging, or operating your Travel Scooter.

PROHIBITED! Driving in mist/spray, salt, rain, snow conditions, and on icy / slippery surfaces will have an adverse effect on the electrical system. Operate and store your power chair in a dry and clean condition.

WARNING! DO NOT prolong exposure to hot or cold conditions, it may affect the upholstered and non-upholstered items on your Travel Scooter, and can cause skin irritation. Exercise cautiously when driving your power chair in extremely hot or severe cold weather conditions or when exposing your power chair to sunlight directly for very long periods of time.

16. EMI/RFI

EMI (Electron-Magnetic Interference) and RFI (Radio Frequency Interference) may disturb the electrically-powered mobility vehicle performance and may cause unintended movement or damage to the control system. EMI and RFI are from electrical devices, such as cellular phones, laptops, walkie-talkies, radio and / or TV stations, wireless computer links, microwave signals, etc. though every electrically-powered mobility vehicle is designed to be with a certain resistance level to EMI. **WARNING!** If unintended motion or brake release occurs, turn your Travel Scooter off as soon as it is safe to do so and report it to authorized EzyRev provider at your earliest convenience.

WARNING! DO NOT drive your Travel Scooter very close to the radio and TV stations and be cautious when using any of the electric devices while driving your Travel Scooter. Any electric devices which can generate electromagnetic field may have an adversely effect on your Travel Scooter performance, and the electrically-powered mobility vehicle itself can disturb the performance of other electrical devices located nearby, such as alarm systems.

WARNING! DO NOT modify your Travel Scooter to add any electrical components **WITHOUT** EzyRev's authorization, as it might increase the susceptibility of your Travel Scooter to EMI.

17. Transportation Instructions

Before transportation, please disassemble the removable parts and secure them properly and safely to ensure that none of these removable parts will miss or break during transportation, if your vehicle has enough room to stow your whole Travel Scooter properly, be sure that the battery will be stored separately and secured properly.

WARNING! DO NOT sit on your Travel Scooter while it is stowed in a vehicle.

WARNING! DO NOT lift or move your Travel Scooter by any of its removable parts, such as, armrests, seat, front riggings, controller and shrouds, doing so will result in damage to your Travel Scooter or body injury.

WARNING! Batteries should be secured in an upright position and protective caps should be installed on the battery terminals. DO NOT transport batteries with any flammable or combustible items.

18. Reaching, Leaning and Bending

Avoid reaching or bending while driving your Travel Scooter. Bending forward creates the risk of accidental throttle control lever contact. Bending to the side while seated creates the risk of tipping. It is important to maintain a stable center of gravity and keep the Travel Scooter from tipping. EzyRev recommends that the Travel Scooter user determine his/her personal limitations and practice bending and reaching in the presence of a qualified attendant.

WARNING!

DO NOT shift your weight or sitting position toward direction you are reaching as your Travel Scooter will NOT keep balance and may tip over.

DO NOT attempt to reach objects if you need to pick them up from the floor by reaching down between your knees.

DO NOT lean over the top of the back upholstery or lean over the side of seat upholstery to reach objects behind you, as this may result in tipping over

19. Battery

Mandatory! Wear goggles and gloves when handling the battery and wash hands after handling. The battery contains lead and lead compounds.

WARNING! DO NOT charge a frozen battery. Protect the batteries from freezing and charge a frozen battery may result in battery damage.

MANEUVERABILITY

1. Seat.

Seat Belt Securement: The seat belt is optional but must be based on your specific conditions, equipping with seat belt is in order to operate your power chair much more safely. Fastening the seat belt securely can reduce the possibility of a fall from your power chair.

WARNING! DO NOT use this seat belt instead of a seat belt in any vehicle. Anyone traveling in a vehicle should be properly belted into seats approved by the vehicle manufacturer.

WARNING! The center of gravity of your power chair was factory set to a position that meets the needs of the demographic majority of users. Your authorized EzyRev Provider has evaluated your power chair and made any necessary adjustments to fit your specific needs. DO NOT change your seating configuration without first contacting us.

Armrest Width Adjustment: The armrests are optional. Changing the armrest width may increase the overall width of your Travel Scooter, so be aware it when you pass any doorways. The armrest width can be adjusted very easily through loosen the knobs (the two armrest knobs are located on each side of the armrest receiver bracket), and slide the armrests in or out to the desired width and then tighten the knobs.

WARNING! Ensure that you will slide the two armrests in or out in the same width to keep the armrests in bilateral symmetry.

2. Motor lock lever

The motor lock levers here are the freewheel levers mentioned above. your Travel Scooter is equipped with one (1) freewheel lever for freewheel disengagement / engagement. This freewheel disengagement / engagement allows free wheeling or throttle controlled operation. Free Wheeling allows an assistant to maneuver your power chair without power.

Disengage (Push) – Push the freewheel lever counterclockwise for having it be perpendicular to the drive wheels

Engage (Drive) – Pull the freewheel lever rearward to have it be parallel to the drive wheels

WARNING! DO NOT engage or disengage freewheel locks until the power is in the OFF position.

WARNING! DO NOT operate the freewheel lever with too much effort. Effort to engage / disengage freewheel lever is just common push force with one hand, and effort is 25 to 30 pounds.

3. Wheels

Your Travel Scooter is equipped with six (5) wheels in total, two (3) drive wheels and two (2) anti-tip wheels, the three drive wheels can be run by both the manual and electric way through disengaging and engaging freewheel lock levers. See “Motor Lock Lever” in details for it. And see “Tire Information” for maintaining your tires properly and See the “Wheel Replacement” in “Care and Maintenance” for getting further understanding of the wheel installation.

BATTERIES AND CHARGING

1. Batteries

Your Travel Scooter is equipped with two long-lasting, 12-volt, deep-cycle batteries. These batteries are sealed and maintenance free and secured in a battery case. As they are sealed and secured in the battery case, it is not necessary to check the electrolyte (fluid) level. They look similar to automotive batteries, but they are not interchangeable with the automotive batteries. Automotive batteries are not designed to handle a long and deep discharge, and not safe for using in power chair. WARNING! Always use two batteries of the exact same type, chemistry and amp-hour (Ah) capacity. Refer to the appendix-specifications by the end of this manual and also read the specifications supplied with the battery charger for recommended type and capacities.

MANDATORY! Wear goggles and gloves when handling batteries and wash hands after handling. As the battery posts, terminals and related accessories contain lead and lead compounds. NOTE! Contact your authorized EzyRev Provider if you have any questions concerning the batteries in your power chair.

2. Batteries charging

The long life of your batteries is essentially provided by the battery charger. Charging the batteries properly, safely, efficiently and easily can optimize your Travel Scooter’s performance. Only while plugging the charger power cord into an electrical outlet, the battery charger is functional.

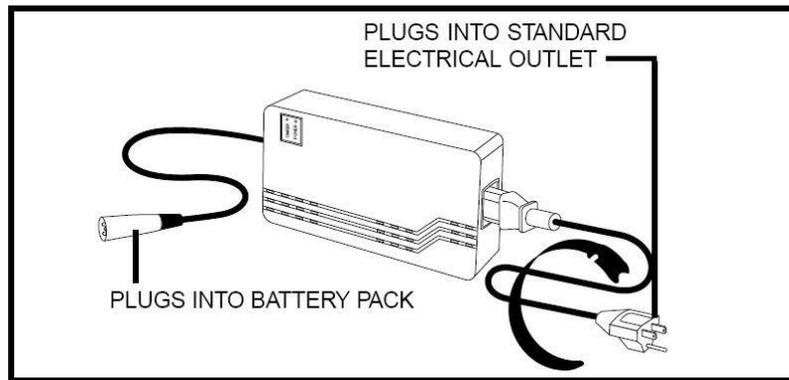


Figure 11. Off-Board Battery Charger

WARNING! If your battery charger has not been tested and approved for outdoor use, then do not expose it to adverse or extreme weather conditions. If the battery charger is exposed to adverse or extreme weather conditions, then it must be allowed to adjust to the difference in environmental conditions before use indoors. Refer to the manual supplied with the battery charger for more information.

WARNING! Inspect the battery charger, wiring, and connectors for damage before each use. Contact your authorized EzyRev provider if damage is occurred.

PROHIBITED! Never use an extension cord to plug in your battery charger. Plug the charger directly into a properly wired standard electrical outlet.

PROHIBITED! Removal of grounding prong can create electrical hazard. If necessary, properly install an approved 3-pronged adapter to an electrical outlet having 2-pronged plug access.

WARNING! Do NOT attempt to open the battery charger case. If the battery charger does not appear to be working correctly, contact your authorized EzyRev Provider.

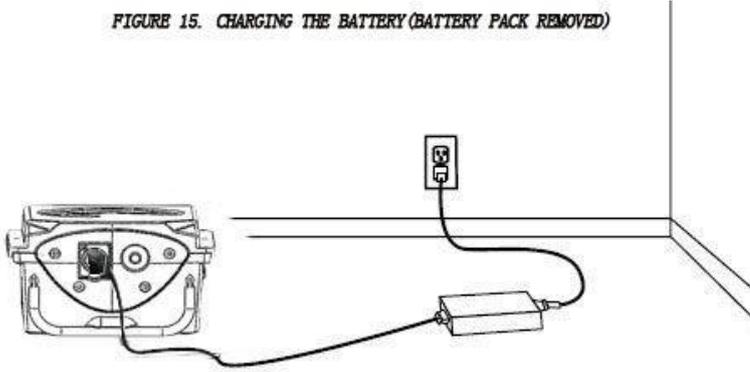
PROHIBITED! Do NOT allow unsupervised children to play near the power chair while the batteries are charging. EzyRev recommends that you do not charge the batteries while the power chair is occupied.

MANDATORY! Read the battery charging instructions in this manual and in the manual supplied with the battery charger before charging the batteries.

WARNING! Explosive gases may be generated while charging the batteries. Keep the travel scooter and battery charger away from sources of ignition such as flames or sparks and provide adequate ventilation when charging the batteries.

WARNING! You must recharge your Travel Scooter batteries with the supplied onboard battery charger or optional off-board battery charger, see **figure 15** for charging the battery through removing the battery pack. Do not use an automotive-type battery charger.

FIGURE 15. CHARGING THE BATTERY (BATTERY PACK REMOVED)



3. Battery Efficiency:

The way of recharging your batteries will decide the battery efficiency. Trying the following ways may get the maximum efficiency of your batteries.

1. Must fully recharge the new batteries prior to initial use of your Travel Scooter. It can bring the battery up to about 90% of its peak.
2. DO NOT travel too far until you become accustomed to the controls and recharging way of your batteries charging.
3. Fully recharge 8 to 14 hours after initial use of your power chair and they drive your Travel Scooter again. Your batteries will now reach 90% of their potential efficiency.
4. The batteries will top off at 100% charge and last for an extended period of time after four or five charging cycles.

CLEANING, CARE AND MAINTENANCE

WARNING! DO NOT service your Travel Scooter when the seat is occupied.

Cleaning

Regular cleaning will reveal loose or worn parts and enhance the smooth operation of your Travel Scooter.

Turn off your Travel Scooter and unplug the power cord before cleaning. Use a damp cloth and mild, non-abrasive cleanser to clean the plastic and metal parts of your power chair. DO NOT use products that may scratch the surface of your Travel Scooter while cleaning. If necessary, clean your Travel Scooter with an approved disinfectant. Make sure the disinfectant is safe for use on your Travel Scooter before applying in to your Travel Scooter.

WARNING! DO NOT allow a cleaning agent to drip inside the air inlet or outlet openings, or the battery pack.

WARNING! DO NOT spray or apply any cleaning agent directly to any electric connections.

WARNING! Follow all safety instructions before applying in to cleaning your Travel Scooter with disinfectant and / or cleaning agent. Failure to comply may result in skin irritation or premature deterioration of upholstery and / or your Travel Scooter finishes.

WARNING! Never hose off your Travel Scooter or place it in direct contact with water. A damp cloth can easily wipe the painted ABS plastic body shroud of your Travel Scooter.

WARNING! DO NOT use any chemicals to clean a vinyl seat, as they may cause the seat to become slippery or dry out and crack. Use soapy water and dry the seat thoroughly.

Care and Maintenance

Setup / Delivery Inspection

Initial adjustments should be made to suite your personal body structure needs and preference. Thereafter daily, weekly, monthly and yearly service inspections, Refer to User/Attendant Inspection Checklists.

1. Check all parts for shipping damage. In case of damage, DO NOT use.
2. Ensure your Travel Scooter rolls straight (no excessive drag or pull to one side)
3. Ensure clothing guards are secured.
4. Ensure arms are secured but easy to release and adjust levers engage properly.
5. Ensure axle nut or bolt and wheel mounting nuts are secure on drive wheels
6. Ensure caster / anti-tipper wheels are free of debris, and all mounting hardware is secured and not damaged / missing.
7. Check that cables are routed and secured properly to ensure that cables DO NOT become entangled and damaged during normal operation.
8. Ensure proper operation of powered functions.
9. Check all electrical connections. Make sure they are tight and are not corroded. Batteries must sit flat within the battery tray.

Daily Inspections

To operate properly and safely, your Travel Scooter must be cared for just like any other vehicle. Routine maintenance will obviously extend the life and efficiency of your Travel Scooter. WARNING! As with any vehicle, the wheels and tires should be checked periodically for cracks and wear, and should be replaced if cracks and wear occur.

1. Turn off the controller, and check the throttle. Make sure it is not bent or damaged and that it returns to the neutral position when you release it. Do not handle or try to repair it. Contact your authorized EzyRev Provider if there is a problem.
2. Visually inspect the controller harness. Make sure that it is not frayed, cut, or has any wires exposed. Contact your authorized EzyRev Provider if you find any problem.
3. Inspect flat spots on solid tires. Flat spots could adversely affect stability.
4. Inspect the armrests for loose hardware, stress points, or damage. Contact your authorized EzyRev Provider if there is a problem.

Weekly Inspections

1. Disconnect and inspect the controller from the power base. Look for corrosion. Contact your authorized EzyRev Provider if necessary.
2. Ensure that all parts of the controller system are securely fastened to your Travel Scooter. DO NOT over-tighten any screws.

3. Check for flat spots for solid tires and proper tire inflation for pneumatic tires, pneumatic tires should be inflated to the psi/bar/kPa air pressure rating indicated on the tire. If your tire does not hold air, contact your authorized EzyRev Provider for replacement of the tube.
4. Inspect the brakes. This inspection should be carried out on a level surface with at least 3 feet (1 meter) of clearance around your power chair. Here is the instruction for inspecting the brake properly.
Turn on the controller and turn down the speed level of your Travel Scooter.
After one second, check the battery condition meter. Make sure that it remains on.
Slowly control the throttle control lever until you hear the electric brakes click. Immediately release the throttle .You must be able to hear each electrical brake operating. Repeat this test at least three times, driving your Travel Scooter backwards, then left, and then right.
5. Ensure that the casters / anti-tipper wheels are free of debris and inspect for loose hardware or damage

Monthly Inspections

1. Keep your Travel Scooter clean and free of foreign material, such as mud, dirt, hair, tall grass, wet leaves, food, drink, etc.
2. Check for drive tire wear. Contact your authorized EzyRev Provide for repair.
3. Inspect the caster / anti-tipper wheels for wear. Replace them as necessary.
4. Inspect the caster forks for damage or fluttering which indicates that they may need to be adjusted or have the bearings replaced.

Yearly Inspection

Every year take your Travel Scooter to a qualified technician authorized by EzyRev for a thorough inspection and servicing, Service inspections MUST be performed by a qualified technician. Especially, if you use your Travel Scooter on a daily basis, this helps ensure that your Travel Scooter is functioning properly and helps prevent future complications.

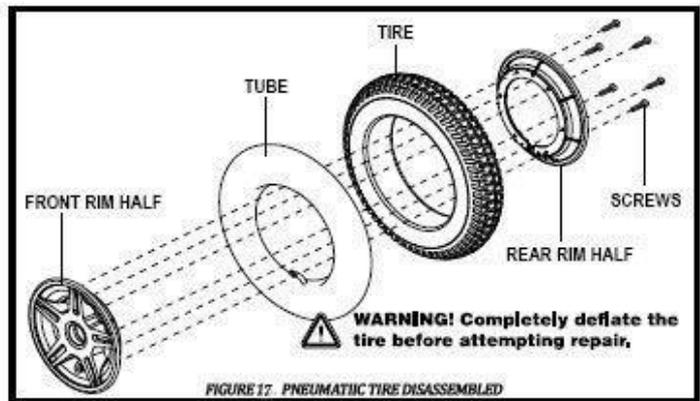
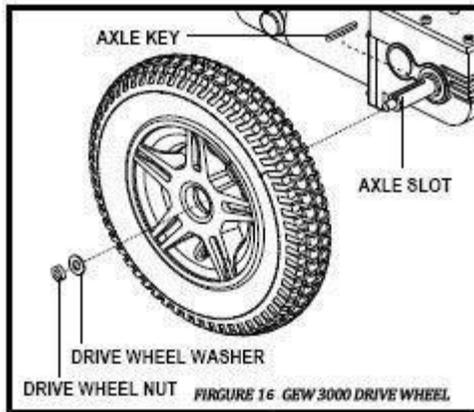
Wheel Replacement

Before replacing the wheels, please review the “Tire Information” and your wheel info in “Specifications” shown as below in appendix to get a general idea about your wheels first. If your Travel Scooter is equipped with pneumatic tires and you have a flat tire, then just replace the tube. If solid tire, then you must replace the entire wheel assembly. Tires, tubes and wheel assemblies are readily available through your authorized EzyRev Provider.

Take these steps for repairing wheels efficiently and safely:

1. Turn off the power to the controller.
2. Position your Travel Scooter up on blocks
3. If you are changing a pneumatic tire, completely deflate it before removing the wheel.
4. Remove the drive wheel nut and washer from the axle. See **figure 16-GEW3000 Drive wheel**.
5. Pull the wheel off the axle.
6. Remove the screws from the rim assembly and separate the front and rear rim. See **figure 17-Pneumatic Tire Disassembled**.

7. Remove the old tube from the pneumatic tire and replace it with a new tube or replace the entire wheel assembly if it is a solid tire.
8. Reassemble the rims and reinstall the screws.
9. Slide the wheel back onto the axle. Ensure that the axle key is in the axle slot.
10. Reinstall the drive wheel nut and washer onto the axle and tighten properly.
11. Inflate the pneumatic tire to the psi/bar/kPa air pressure rating indicated on each tire.
12. Remove the Travel Scooter from the blocks



WARNING! Only ask an authorized EzyRev Provider or a qualified technician for wheel service or replacement.

WARNING! Ensure that the controller's power is turned off and the Travel Scooter is in drive mode (not in free wheel mode) before replacing wheels.

WARNING! DO NOT disassemble a inflated pneumatic tire, otherwise, it may result in exploding.

WARNING! Ensure that the axle key is properly installed into a axle slot when mounting the wheel, otherwise, it will result in failing to performing electronic brake correctly, body injury, and/or product damage.

WARNING! Ensure that both the nut and the washer are reinstalled and tightened properly.

WARNING! Make sure the pneumatic tires are inflated to the psi/bar/kPa air pressure rating indicated on the tire for pneumatic tires. DO NOT underinflate or overinflate your tires. Low pressure may result in loss of control, and overinflated tires may burst. Overinflating tires can cause them to explode.

WARNING! DO NOT use a high pressure hose to inflate your tires.

Battery Replacement

Before replacing the batteries, please review the "Battery" in "Safety guidelines and user instructions" and "Batteries and Charging" in details to get a general idea about your batteries first.

And also learn the battery wiring diagram, see **Figure 18-Battery Wiring Diagram**.

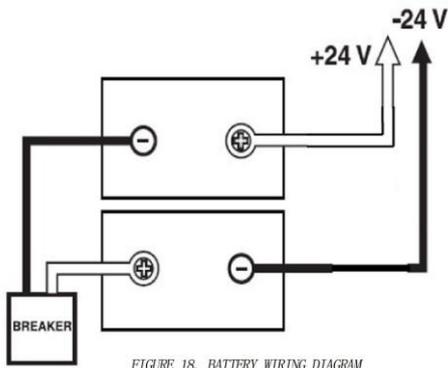


FIGURE 18. BATTERY WIRING DIAGRAM

Follow these easy steps to replace the batteries.

1. Turn off the controller's power
2. Ensure that the power chair is in drive mode (not in freewheel mode).
3. Pull the battery case out with the handle
4. Remove the setscrews from the rims of the battery case
5. Remove the cover of the battery case
6. Plug into the batteries exactly following the battery wiring diagram, see **Figure 18**.
7. Reinstall the battery cover
8. Tighten the setscrews properly
9. Charge the batteries. Refer to "Batteries and Charging"

PROHIBITED! Keep tools and other metal objects away from the battery terminals. Contact with tools can cause electrical shock.

MADATORY! Wear goggles and gloves while handling the batteries and wash hands after handling. As battery posts, terminals and related accessories contain lead and lead compounds.

WARNING! Only ask an authorized EzyRev Provider or a qualified technician for batteries service or replacement.

WARNING! DO NOT replace batteries when seat is occupied.

WARNING! DO NOT mix old and new batteries. Always replace both batteries at the same time.

WARNING! DO NOT overtighten or undertighten any screws when reinstalling the battery cover for sealing the battery case. Tighten screws properly.

WARNING! Your Travel Scooter batteries are heavy. Refer to Appendix- Specifications. If you are unable to lift that much weight, be sure to get help. Use proper lifting techniques and avoiding lifting beyond your capacity.

WARNING!

GENERAL WARNING:

Avoid knocking or bumping the controller, especially the joystick.

Avoid prolonged exposure of your power chair to extreme weather conditions, such as heat, cold, or moisture

Keep the controller and the motors clean and dry.

Check all connectors to ensure that they are all tight and secured properly.

Use a rubber conditioner on the tire sidewalls to help preserve them, but DO NOT use a rubber conditioner on the tread area of the tires, it will make the tires slipper and cause your Travel Scooter to skid.

Make sure the pneumatic tires are inflated to the psi/bar/kPa air pressure rating indicated on the tire. All wheel bearings are prelubricated and sealed. No need subsequent lubrication.

The body shroud has been sprayed with a clear sealant coating. You can apply a light coat of car wax to help it retain its high-gloss appearance.

Check all electrical connection. Make sure they are tight and are not corroded. Batteries must sit flat within the battery tray.

The Elements which may Damage your Travel Scooter

Your Travel Scooter is susceptible to damage from the elements like most electrical equipment.

Avoid dampness areas and extreme temperature changes of any kind.

Perform the following steps once your Travel Scooter comes in contact with water:

1. Dry your Travel Scooter as thoroughly as possible with a towel.
2. Set your Travel Scooter in a warm, dry place for 12 hours to allow unseen water to evaporate.
3. Inspect the throttle operation and brakes before using your Travel Scooter again.
4. If find any inconsistencies, take your Travel Scooter to an authorized EzyRev Provider.

WARNING! Mobility scooters that are frequently exposed to sources of water, such as incontinence, should be inspected as often as possible for corrosion, and electronic components may need to be replaced frequently.

WARNING! Direct or Prolonged exposure to water or dampness could cause the mobility scooter to malfunction electronically and mechanically. Water can cause electrical components to corrode and the chair's frame and setscrews to rust. Mobility Scooters should be examined periodically for signs of corrosion caused by water exposure, bodily fluid exposure, or incontinence. Damaged components should be replaced or treated immediately.

Follow these guidelines for avoiding adverse temperature effects on your Travel Scooter Always keep your Travel Scooter's environmental temperature between 18°F (-8°C) and 113°F (45°C).

The batteries may freeze in severe cold temperatures. The specific temperature at which they freeze depends on a number of factors, such as battery charge, usage, and composition of the batteries. Temperatures above 113°F (45°C) may cause your Travel Scooter to operate at a reduced speed and also have an adverse effect on batteries. This reduced speed is a safety feature built into the controller that helps prevent damage to the motor and other electrical components. And may damage **Storage** Your Travel Scooter should be stored in a dry place with good ventilation and free from the elements extremes.

Before storing, disconnect the batteries from the Travel Scooter. Refer to "Batteries and Charging". We recommended that you charge the batteries periodically throughout periods of prolonged storage to ensure proper performance. Batteries that are regularly and deeply discharged, infrequently charged, stored in extreme in extreme temperatures, or stored without a full charge may be permanently damaged, resulting in unreliable performance and limited service life.

WARNING! If you fail to store the unit properly, the frame can rust and the electronics can be damaged.

APPENDIX–SPECIFICATIONS

Battery pack ¹	(12V 12AH) X2
charge current	2A
Product Weight ²	35kg
Drive Wheels	8”
Rear Wheels	8”
Anti-tip Wheels	2.5”
Maximum Speed(km/h) ³	7
Range Per Charge ^{3, 4}	14km
Maximum Climbing	10° ±1°
Motor/Transaxle Power(W)	270
The Voltage DC(V)	24
Maximum load(lbs)	300
Minimum radius of turn(mm)	820
Spanning ability(mm)	50

1. Battery weight may vary based on manufacturer.
2. Includes standard seat
3. Varies with user weight, terrain type, battery amp-hour rating(Ah), battery charge, battery condition, tire type and tire condition. This specification can be subjected to a variance of +10%,-5%.
4. Tested and the results derived from theoretical calculation based on battery specifications and drive system performance. Test conducted at maximum weight capacity.

NOTE: All these specifications subject to change without notice.