



**EW-01**

**Owner's Manual**



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## Technical Specifications

Model	EW-01 Speedy Scooter
Weight Capacity	300Lbs
Speed:	Up to 11mph
Distance:	30 miles per charge <b>(distance varies on terrain, riders weight, road surface, etc.)</b>
Front Seat: Type	Folding/Collapsible Chair with Backrest
Front seat: Size	13 ½ "x 12 ½ "x 14"
Front Seat:	21 ½ "
Safe Gradient:	18°
Turning Radius	33"
Steering Height	30" from Ground
Rear Foot Rest:	N/A
Power:	Electric
Watts:	450 Watt
Motor Type:	Rear Wheel Hub Motor
Amps:	12 AH
Volts:	48 Volts
Dimensions:	37" x 22" x 33" Folded: 38" x 23" 22"
Floor Clearance:	3"
Front Basket:	8" x 8" x 10"
Batteries:	(1) Lithium Ion Battery 78 Cell with BMS
Forward/Reverse switch:	Yes
High/ Low Speed switch:	N/A
Front tire size:	7" tire type: 200 x 50
Rear tire size:	10" tire type: 10 x 2.125
Charger:	48-volt Smart Charger included
Throttle Type:	Variable Twist Throttle
Key Start:	Yes
Braking System:	Rear Drum Brakes
Drive System:	450 Watt Rear Hub Motor
Headlight:	N/A
Rear lights:	N/A
Carton Size:	Shipped fully assembled on pallet – 48" x 30" x 34"
Scooter Weight:	69lbs with batteries
Battery Indicator:	Yes
Front:	Frame shock absorbers
Rear:	N/A
Reflectors:	Yes (rear only)
Warranty:	Limited – 3 Year Warranty

## Operation of Scooter:

### 1. Turning on the power

Put key in ignition and turn clockwise to turn key on. Turn-key counter-clockwise to power off when you stop. (Fig a)

### 2. Speed Control

Speed is controlled by the black twist grip throttle. Twisting the throttle grip towards you will increase the speed. Releasing the throttle grip will reduce the speed. (Fig a)

### 3. Battery Voltage Indicator

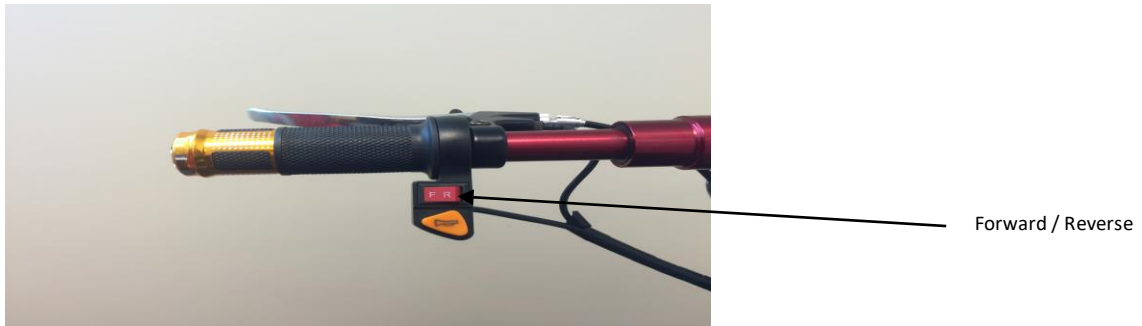
The battery level indicator will show when the scooter is on. The battery is 48 volts thus the battery indicator when full should read a minimum of 48 volts although often the battery voltage will read higher because many batteries when fully charged will read greater than 48 volts. The battery read out simply indicates the voltage remaining on the battery. (fig a)



(fig a)

#### 4. Forward / Reverse

The forward/reverse switch is located on the left side of the handle grip. Press switch R for Reverse and F for Forward. (Fig b)



(Fig B)

#### 5. Carrier Rack

Unscrew the (2) black turn knobs located directly beneath the rear of the scooter underneath the carrier rack. Once knobs have been loosened, pull the carrier rack away from the scooter for desired distance. Tighten the (2) black turn knobs to lock the carrier in place.



#### 6. Front Basket

Fasten the front basket of the scooter utilizing the basket connector frame. (fig c)



(Fig C)

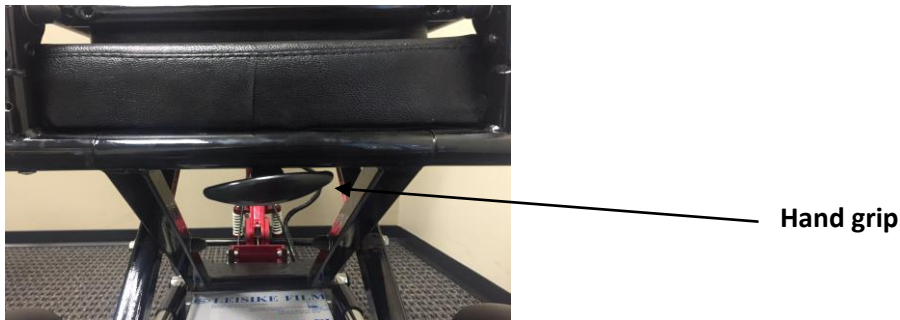
## Folding Scooter

1. Fold the seat back cushion down until it rests on top of the seat cushion.  
(fig d)



(Fig D)

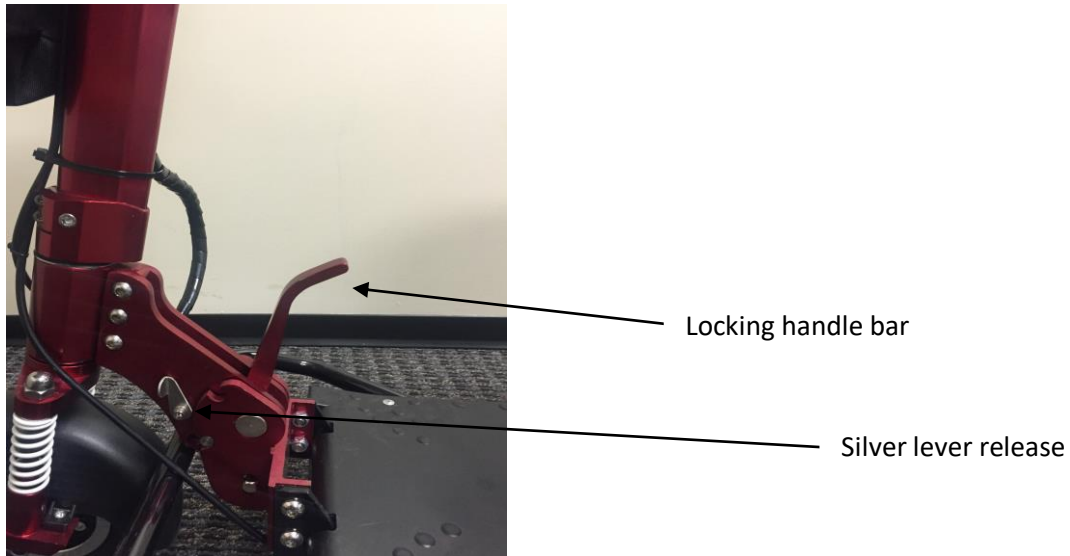
2. Stand behind speedy and pull the black hand grip located under the seat to the rear of the scooter towards you until the seat folds. CAUTION: Keep all fingers away from seat bracket to avoid harm. (fig e)



(Fig e)

3. Pull the handlebar hand grip collapse mechanism towards the handgrip until the handgrip lowers and folds. Repeat until both handgrips are folded. (fig e)
4. Stand in front of the scooter and push the locking handlebar tube lever toward the floorboard of the scooter. (fig f)
5. Stand in front of the scooter and push the handlebar tube silver lever release located on the lower section of the handlebar tube towards the floorboard of the scooter. CAUTION: Be sure to stand in front of the scooter when lowering the handlebar tube to avoid being hit by the handlebar tube when lowering. (fig f)





(Fig f)

6. Stand scooter upright vertical position and press the black button on top of the black telescopic handle release to extend the telescopic pull handle.

**Unfolding Scooter** (Please refer to the diagram on page 2)

1. Stand in front of the scooter and press the black button on top of the telescopic pull handle to lower the telescopic extender.
  - i. Stand in front of the scooter pull front handlebar tube forward
2. Push the handlebar locking lever towards the steering tube until the lever locks in place.
  - i. Raise the seat back cushion
  - ii. Stand behind the scooter place your hand just below the bottom seat back cushion and pull the seat vertical straight up until the seat bracket locks in place.

- iii. Stand in front of the scooter and raise each hand grip until each handlebar grip locks in place.
- iv. Adjust the handlebar tube to desired height by simply turning the tube adjust counter clockwise. Press the silver button located on the front of the handlebar tube to raise or lower handlebar to desired position. Once desired handlebar height is secured then turn the tube adjustor clockwise to lock the handlebar in place.

## **Safety Requirements**

### **Driving Surface**

Speedy has the best stability under the normal driving conditions (dry, level ground with concrete or asphalt) Extra care must be taken when riding on other surfaces (grass, gravel etc.)

**DO NOT exceed the specified climbing angle (0-18 degrees). Please read the manual instruction completely before operation.**

- Check the physical condition before driving the scooter.
- **ALWAYS SLOW DOWN WHEN TURNING**
- Speedy can be used in short grass and hard gravel safely with caution.
- Avoid driving in loose gravel, covered soil and sandstone.
- Do not drive the scooter in unknown road conditions.
- Speedy can ride over small obstacles within a certain height, but you must minimize the speed and slowly drive over the obstacle.
- Do not operate the scooter before you have fully read and understood this manual.

- Do not carry additional rider on the scooter, chassis or lap.
- Do not operate under the influence of alcohol or drugs.
- Ensure that the seat is fixed and fastened.
- Slow down when operating on uneven or soft ground.
- Do not park on slopes.
- Changing the initial setting or refitting your scooter is forbidden.
- Use caution when operating near busy streets, markets or shopping centers. Do not operate in unsafe areas. Please consult local authorities about the traffic rules for scooters.
- Hold the handlebar with both hands and put both feet on the footboard when operating.
- Never sit on the Speedy in a moving vehicle
- Do not exceed the maximum weight capacity of 300lbs. This weight includes rider, accessories and baggage.
- Do not reverse on uneven slopes or uneven ground; be careful when passing over slopes
- Never use the Speedy to go up and down stairs.
- Never take the Speedy on an escalator.
- Do not operate on frozen, slippery, or salty ground.
- Never charge a frozen battery.

## **Battery Maintenance & Charging**

Speedy is designed to use one maintenance free 48v/12AH lithium Ion Battery. It comes with an easy to use 48V/12AH Charger.

- Charge the battery completely before the first operation. Not charging the battery completely prior to operating you Speedy for the first time can cause damage to the battery.
- Be sure key is in the off position before charging Speedy.
- Take battery off charger if storing the Speedy for a long period.
- Do not leave the charger plugged in for more than 8 hours at a time.

### **Charging your Speedy scooter**

- Turn off the Speedy scooter and remove the key.
- Plug the charger into the rear of the battery
- Plug AC power charger plug into household power outlet. Red light on the charging block indicates power on and the unit is charging. The green light means the battery is fully charged.
- Unplug the charger when charging is complete.



**Match the charger socket and charger plug properly. Do not force.**

### **Guide to Safe and Long Lasting Battery**

#### **How does the charge work?**

When the battery voltage is low, the battery charger outputs a large current to charge the battery. When the battery voltage is near full, the battery charger outputs a small current. When the battery is full, the battery charger will output very little current. Once the charger turns green do not leave the charger plugged in for more than two hours.

### **How does the indicator light (LED) on the charger block display?**

There are (2) LED indicator lights on the charger block. The red light indicates that the scooter is charging. The green light indicates the battery is fully charged.

### **Can other chargers be used?**

To charge safely and efficiently, use the charger supplied by the original manufacturer only.

### **How often should you charge the battery?**

The charge time depends on use.

- If you're operating the scooter once a week, then the battery should be charged once a week
- Be sure the battery is fully charged before operating.

### **How can you get the maximum operating distance?**

Driving conditions such as hills, uneven and soft surfaces, temperature and user weight will affect the distance or running time for battery life.

### **Methods of obtaining the maximum driving distance**

- Fully charge the battery before operating.
- Maintain a constant speed when possible.
- Only carry the necessities to reduce weight.
- Avoid intermittent driving.

## **Please follow the steps below to improve the battery performance:**

- A new battery must be fully charged before using.
- Low speeds are recommended for the first time. Do not travel too far until you are familiar with the operation of the scooter and the battery.
- Fully charge the battery after operating Speedy the second time.
- The battery capacity will reach 100% and extend the driving time after four to five hours charging and discharging.

## **How to store scooter and battery**

- Charge your battery fully before you store it.
- Store your scooter and battery in warm, dry place.
- Avoid storing the scooter in area with temperature variations.
- Do not expose the scooter or battery to extreme temperatures.
- Charge the scooter at least once every 30 days to maintain the battery.



**If the battery is frozen, warm for several days before charging.  
Damage may occur.**

## **Maintenance**

With care and regular maintenance, the Speedy is designed to provide years of enjoyment. The following will keep your Speedy running at optimum levels.

## **Battery**

- Make sure battery is fully charged.
- Store the battery in a dry environment.

## **Seat**

- Clean seat cover with clean, damp cloth.

## **Cleaning**

- A clean, damp, non-abrasive cloth works best to wash and clean the Speedy.
- Do not wash your Speedy with a water hose as this may create an electrical short and damage the electrical system.

## **Wiring**

- Check all wire connections and wiring insulation for wear and damage regularly. This includes the charger power cord.

## **Motor, Bearings and Transmission parts**

- These components have been lubricated and sealed by the factory, there is no need to lubricate these parts.
- Store in dry environment. Be sure electrical components avoid moisture. If they encounter moisture, dry before use.

## **Basic Troubleshooting**

Power stops while operating

- Make sure battery is properly inserted.
- Make sure battery is properly charged.
- Slow speeds while driving
- Make sure battery is fully charged.

If you continue to have trouble with your Speedy, contact E-Wheels Service Department at