



**EW-27**

## **Crossover Pre-Mobility Scooter**

### **Owner's Manual**



**[www.ewheelsdealers.com](http://www.ewheelsdealers.com)**

**(888) 305-0881 Sales**

**(888) 571-2845 Service**

Locate the below listed materials in rear basket:

- Set of mirrors
- Electric charger
- Scooter Key (Charger Box located in basket)
- Owner's manual
- Inspection Form

## **IT IS VERY IMPORTANT TO READ OWNER'S MANUAL BEFORE SCOOTER OPERATION**

### **Scooter Initial Operation**

- Operate in speed 1 – Everyday use
- Read Owner's manual
- Insert key into ignition (turnkey clockwise)
- Set variable speed dial to lowest setting (Speed 1)
- Headlight and rear light will activate when ignition key is turned.
- Adjust mirrors to desired positions
- Place both hands on black hand grips
- Twist the throttle slowly with your right hand
- Enjoy the ride!
- Turn off scooter by simply turning key to off counter clockwise.
- Only operate scooter on flat level surfaces.

## Technical Specifications

Model	EW-27 Crossover Pre-Mobility
Weight Capacity	350Lbs.
Speed:	Up to 15mph
Distance:	35 miles per charge <b>(distance varies on terrain, riders weight, terrain and road surface etc.)</b>
Front Seat: Type	Rider seat with back rest
Front seat: Size	9" Wide , 13" Depth
Front Seat:	31" From Ground
Rear Seat: Type	2 <sup>nd</sup> Rider seat with back rest
Rear Seat: Size	11.5 Wide , 15" Depth
Steering Height	40" from Ground
Rear Foot Rest:	Folding foot rest for 2 <sup>nd</sup> rider
Power:	Electric
Watts:	500 Watt
Motor Type:	Transaxle differential brushless
Amps:	20 AH
Volts:	48 Volts
Dimensions:	58" x 25" x 41" (LxWxH)
Floor Clearance:	5"
Front Basket:	12" Wide 9" Depth
Batteries:	(4) Sealed Lead acid Maintenance Free
Forward/Reverse switch:	Yes
High/ Low Speed switch:	(3) Speed settings
Front tire size:	14" x 2.5"
Rear tire size:	14" x 3"
Charger:	Smart Charger included
Throttle Type:	Variable Speed Control – Twist throttle
Key Start:	Yes
Braking System:	Front and Rear drum brakes
Drive System:	Brushless Motor
Headlight:	Electric Light with Signals
Rear lights:	Brake light and Turn Signals
Carton Size:	Shipped Fully assembled on Pallet
Scooter Weight:	132lbs.
Battery Indicator:	Yes
Front:	Front Suspension Fork
Rear:	Rear Shock Absorbers
Reflectors:	Yes
Warranty:	Limited – 3 Year Warranty

## Operation of Scooter:

1. To prevent injury to yourself or others, always ensure that the power is switched off when getting on or off the scooter.
2. Always check that the variable speed switch is set to Level 1 speed setting



3. Always check that you have selected the correct forward or reverse switch position.
4. Reduce your speed when making turns.
5. Do not switch off the power when the scooter is still moving forward
6. Use 12 volt batteries only.

## Ramps and Curbs

1. The EW-27 scooter is designed to operate only on flat surfaces.
2. **CAUTION** - Avoid all uneven or sloped surfaces
3. Only operate on flat level surfaces.

## **General**

1. Keep your feet on the scooter all the time.
2. Do not exceed weight capacity of 300lbs.
3. Do not attempt to lift or move a power scooter by any of its removable parts. Personal injury and damage to the power chair may result.
4. Never try to use your scooter beyond its limitations as described in the manual, operate only on flat surfaces.
5. Do not operate your scooter if it is not functioning properly.
6. Do not connect any electrical or mechanical device to the scooter. Failure to obey this instruction may result in injury and will void the warranty.

## **Use While Under the Influence of Medication or Alcohol**

1. Check with your physician if you are taking any medication that may affect your ability to operate your powered scooter safely.
2. Do not operate your scooter while you are under the influence of alcohol as this may impair your ability to operate your power scooter in a safe manner.

## **Environment Condition**

### **Rain, Sleet and Snow**

If exposed to water, your power scooter is susceptible to damage to electronic or mechanical components. Water can cause electronic malfunction or promote premature corrosion of electrical components and frame.

## Warranty

For valid warranty claims E-Wheels will, at their discretion, replace/repair/refund items mutually agreed to be defective.

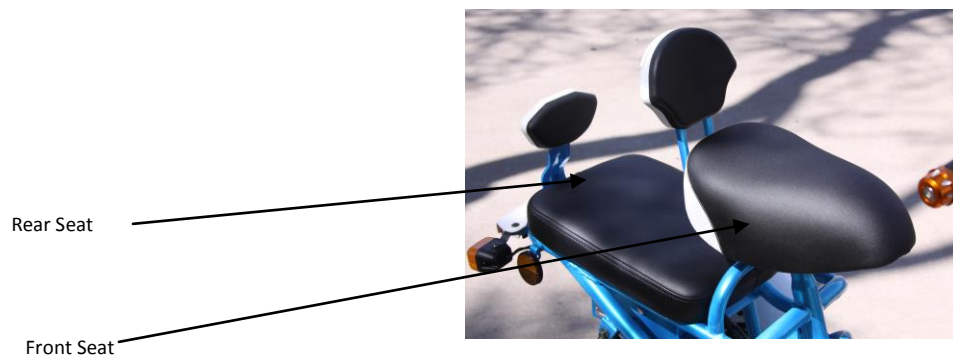
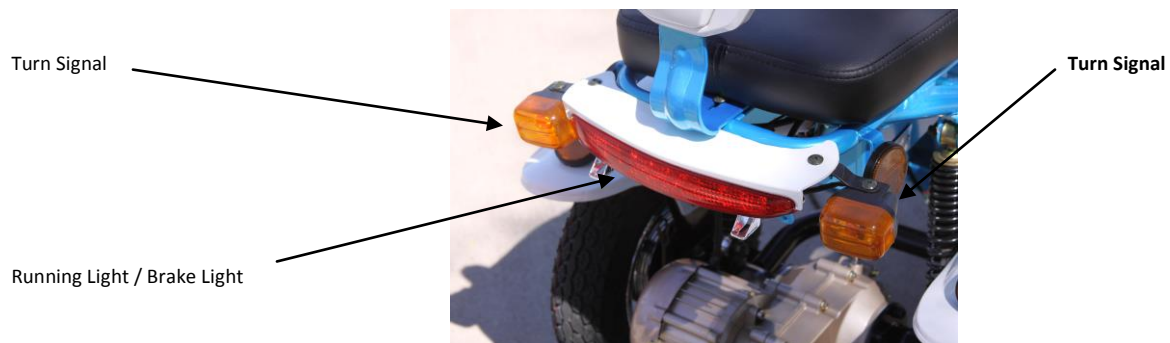
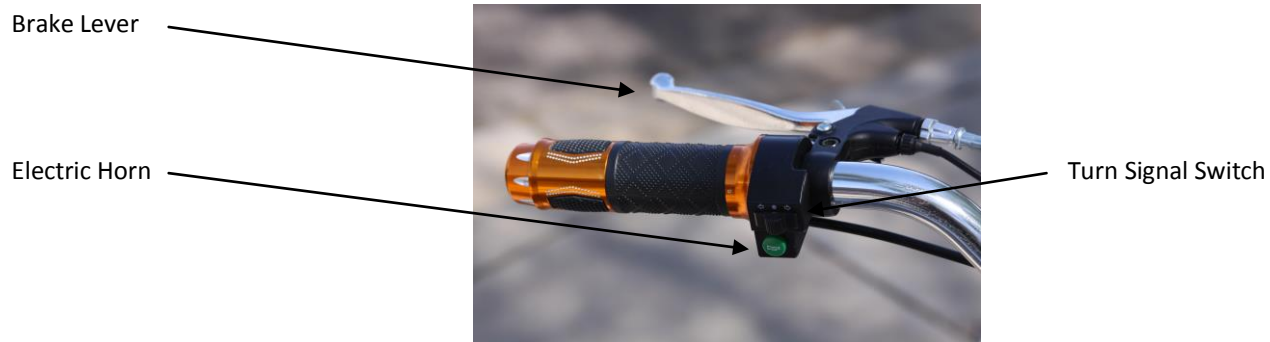
E-Wheels warranty as following:

1. Frame: (3) Year limited warranty
2. Electronic components: (1) Year limited warranty
3. Controllers: (1) Year limited warranty
4. Batteries: Not warranted
5. Consumables: Wheel Tires, arm pads and seat cushions: Not warranted
6. Labor costs are NOT covered by warranty

Any damage or defect of any nature occurring from the misuse of the product is not to be covered. The warranty is to start from the date of arrival of our product.

## Instrument Panel





Rear rider folding foot rest



- Push round silver button to open folding pedal
- Close folding pedal by simply pushing pedal towards frame.

## **Batteries and Charger**

We recommend that you use deep-cycle batteries that are sealed and maintenance free for your power scooter. Lead acid (SLA) and gel cell are Deep cycle batteries that are similar in performance. Deep-cycle batteries are specifically designed to provide power, drain down, and then accept a relatively quick charge. Lead acid batteries should be charged as often as possible.

Specification of the battery that we recommend:

Type: Deep Cycle Sealed lead acid or gel cell

Size: 20 AH

Voltage: 12 V Each (4) totals

Amp Hours: 80 Amp Hours

Depending on the use, terrain and driving conditions, the batteries will provide a range of 35 miles of travel. However, even if the power scooter is not in use we recommend that the batteries be charged periodically.

Note:

- Do not use any automotive batteries, they are not designed to handle a long, deep discharge and are unsafe for use in power scooter.

- The useful life of a battery is quite often a reflection of the care it receives.
- Always charge your batteries in well ventilated areas
- The charger is intended for indoor use only.
- For maximum performance, it is recommended that you replace both batteries at the same time if the batteries are weak.
- If the vehicle will not be used for a long period of time. Arrange to have batteries recharged at least once every month to avoid deterioration of the batteries.

Recharge Battery only when the key is in off position and when indicator is showing low status this confirms battery needs recharge.

### **Charger Use**

1. Plug charger into Electric wall outlet
2. Insert charger port into scooter charging plug in located directly in front of scooter main body directly under seat.
3. Red charger light indicates scooter is charging
4. Green charger light indicated scooter is fully charged.

Charger Port



## EMC Statements

This portion of the content will provide the user with basic information that describes the problems with EMI, known sources of EMI, protective measures either to lessen the possibility or exposure or to minimize the degree of exposure, and suggested action should unexpected or erratic movement occur.

Caution: It is very important that you read this information regarding the possible effects of electromagnetic interference on your electric.

### ■ ELECTROMAGNETIC INTERFERENCE (EMI) FROM RADIO WAVE

SOURCES electric vehicle may be susceptible to electromagnetic interference (EMI), which is interfering electromagnetic energy (EM) emitted from sources such as radio stations, TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones.

The interference (from radio wave sources) can cause the powered vehicle to release its brakes, move by itself, or move in unintended directions. It can also permanently damage the powered vehicle's control system. The intensity of the interfering EM energy can be measured in volts per meter (V/m). Each powered vehicle can resist EMI up to certain intensity. This is called its "immunity level". The higher the immunity level the greater the protection. At this time, current technology is capable of achieving at least a 20 V/m immunity level, which would provide useful protection from the more common sources of radiated EMI. This powered vehicle model as shipped, with no further modification, has an immunity level of 20 V/m without any accessories.

There are a number of sources of relatively intense electromagnetic fields in the everyday environment. Some of these sources are obvious and easy to avoid. Others are not apparent and exposure is unavoidable. However, we believe that by following the warning listed below, your risk to EMI will be minimized.

The sources of radiated EMI can be broadly classified into three types:

1. Hand-held portable transceivers (transmitter-receivers with the antenna mounted directly on the transmitting unit.

Examples include: citizens band (CB) radios, "walkie talkie", security, fire, and police transceivers, cellular telephones and other personal communication devices.

Note: some cellular telephones and similar transmit signal while they are ON, even when not being used; 24 Medium-range mobile transceivers, such as those used in police cars, fire trucks, ambulances and taxis. These usually have the antenna mounted on the outside of the vehicle; and

2. Long-range transmitters and transceivers, such as commercial broadcast Transmitter (radio and TV broadcast antenna towers) and amateur (HAM) radios.

Note: Other types of hand-held devices, such as cordless phones, laptop Computers, AM/FM radios, TV sets, CD player, and cassette players, and small appliances, such as electric shavers and hair dryers, so far as we know, are not Likely to cause EMI problems to your powered vehicle.

### ■ POWERED VEHICLE ELECTROMAGNETIC INTERFERENCE (EMI)

Because EM energy rapidly becomes more intense as one move closer to the transmitting antenna (source), the EM fields from hand-held radio wave sources (transceivers) are of special concern. It is possible to unintentionally bring high levels of EM energy closer to the powered vehicle's vehicle movement and braking.

Therefore, the warnings listed below are recommended to prevent possible interference with the control system of the powered vehicle control system while using these devices. This can affect powered

#### ■ WARNINGS

Electromagnetic interference (EMI) from sources such as radio and TV stations, amateur radio (HAM) transmitters, two-way radios, and cellular phones can affect powered vehicles and motorized wheelchair. Following the warnings listed below should reduce the chance of unintended brake release or powered vehicle movement, which could result in serious injury.

1. Do not operate hand-held transceivers-receivers), such as citizens band (CB) radios, or turn ON personal communication devices, such as cellular phones, while the powered vehicle is turned ON;
2. Be aware of nearby transmitters, such as radio or TV stations, and try to avoid coming close to them;
3. If unintended movement or brake release occurs, turn the powered vehicle OFF as soon as it is safe;
4. Be aware that adding accessories or components, or modifying the powered vehicle, may make it more susceptible to EMI ( Note: There is no easy way to evaluated their effect on the overall immunity of the powered vehicle)
5. Report all incidents of unintended movement or brake release to the powered vehicle manufacturer, and note whether there is a source of EMI nearby,

#### ■ IMPORTANT INFORMATION

1. 20 Volts per meter ( V/m) is a generally achievable and useful immunity level against EMI ( the higher the level, the greater the protection);
2. This product has an immunity level of 20 V/m without any accessories and connected to it.