



EW-21

Owner's Manual



www.ewheelsdealers.com

(888) 305-0881 Sales

(888) 571-2845 Service

Table of Contents

Page 2 - Feature Guide

Page 3 - Technical Specifications

Page 4-6 - Operation of Scooter

Page 7-8 - Charging and Battery Information

Page 9 - Ramps and Curbs

Page 9 - General

Page 10 - Use While Under Influence

Page 10-12 - Safety Requirements

Page 13 – Warranty



Technical Specifications

Model	EW-21
Weight Capacity	400LBS
Speed:	Up to 18mph
Distance:	30 miles per charge (distance varies on terrain, riders weight, road surface, etc.)
Front Seat: Type	Extended Bicycle Style Seat, 2 Rider Capacity
Front seat: Size	23" x 8" x 7.5"
Front Seat:	27" from ground
Rear Seat: Type	N/A
Rear Seat: Size	N/A
Steering Height	42" from Ground
Rear Foot Rest:	N/A
Power:	Electric 60 volts
Watts:	1000 Watt
Motor Type:	Brushless Transaxle
Amps:	12 AH
Volts:	60 Volts
Dimensions:	71" x 37" x 42" (LxWxH)
Floor Clearance:	5"
Rear Basket:	N/A
Batteries:	(1) 60v 12 AH Lithium Ion Battery
Forward/Reverse switch:	N/A
High/ Low Speed switch:	Yes
Front tire size:	18.5" x 9.5"
Rear tire size:	18.5" x 9.5"
Charger:	60 volt Smart Charger Included
Throttle Type:	Variable Twist Throttle
Key Start:	Yes
Braking System:	Hydraulic Disc Brakes
Drive System:	Brushless Hub Motor 60volt 1000watt
Headlight:	LED Headlight
Rear lights:	N/A
Carton Size:	80" x 48" x 54"
Scooter Weight:	170lbs
Battery Indicator:	Yes
Front Suspension:	N/A
Rear Suspension:	Yes
Reflectors:	Yes (Rear Fender)
Warranty:	Limited – 3 Year Warranty

Operation of Scooter:

1. Turning on the power

Insert key into ignition and turn clockwise to turn the scooter on. The battery indicator will display the current charge level when on. Turn the key counter-clockwise to power off when stopped.



2. Battery Power Indicator

The battery power indicator lights will show when the scooter is on. The battery indicator lights will not display when the scooter power is off. Only the empty light will be on when the scooter needs to be recharged.



3. Headlight

The ignition has three positions. All the way left powers off the machine. The middle position turns on the scooter. The position all the way right activates the LED headlight bulbs.



4. Horn

The horn button is located on the left-hand side of the handlebars. Push in to sound when the scooter power is turn on.



5. Bluetooth Speaker

The Bluetooth speaker can be connected to your Bluetooth capable device. The scooter's Bluetooth connection name is "Bluetooth" and does not require a password. When paired for the first time, it will automatically reconnect when the scooter is turned on, and the Bluetooth setting on the device being used in also turned on.



6. Speed Switch

The scooter has a switch that controls the top speed capable. Low is 7 MPH, medium is 14 MPH, and high is top speed.



Charging Instructions:

The smart charger included with your scooter will shut off its high current mode when the scooter is fully charged. When the light on the charger is red, the scooter is still charging. When the light turns green, this means the scooter is fully charged. Once fully charged, unplug within two hours to avoid overcharging.

The charging time varies depending on how charged the batteries are. If almost empty, the charge time may take up to 8 hours. If the red lights stays on for more than 8 hours, unplug the charger.

Batteries and Battery Maintenance:

Only use lithium ion batteries for your scooter. Do not use deep cycle sealed lead acid batteries. Waiting until the machine is low on charger before recharging is best for lithium ion batteries. Prematurely charging the machine can cause the battery to not last as long in the future.

Specification of the battery that we recommend:

Type: (1) 60 volt, 12 AH Lithium Ion Battery.

Note:

- Do not use automotive batteries. They are not designed to handle and long deep discharge and are unsafe for use in your scooter.
- The useful life of a battery is quite often a reflection of the care it receives.
- Always charge the batteries in a well-ventilated area.
- The charger is intended for indoor use only.
- Replace all batteries at the same time if weak.
- If the scooter will not be used for an extended period, arrange to have the batteries recharged at least once every month to avoid deterioration of the batteries.

Ramps and Curbs:

1. Check that the ramp surface is roughened to prevent slipping. Never drive across a slope or turn sharply on a slope.
2. When driving up curbs, always check the height of the curb to ensure that it does not exceed 4" height.
3. Always go forward up ramps and curbs.
4. Avoid stopping completely when going over small objects or obstructions.

General:

1. Always keep your feet on the scooter while riding.
2. Do not exceed the weight capacity of 400lbs.
3. Do not attempt to lift or move the scooter by any of its removable parts.
Personal injury and damage to the scooter may result.
4. Never try to use your scooter beyond its limitations as described in the manual.
5. 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.
6. Always comply with local laws and regulations.

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 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 scooter in a safe manner.

Safety Requirements:

Driving Surface

The EW-21 has the best stability and performs the best 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. Do not operate the scooter before you have fully read and understood the manual.

- Always turn the scooter off before getting on or off the scooter.
- Avoid driving in loose gravel, covered soil and sandstone.
- Do not drive the scooter in unknown road conditions.
- The scooter 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 under the influence of drugs or alcohol.
- Do not park on steep slopes.
- Changing the initial setting of refitting your scooter is forbidden.
- Use caution when operating near busy streets, markets or shopping centers. Do not operate in unsafe areas.
- Consult local authorities about the traffic rules for scooters in your city.

- Hold the handlebar with both hands and put both feet on the floorboard while driving the scooter.
- Never sit on the scooter in a moving vehicle.
- Do not drive on uneven slopes or uneven ground; be careful when passing over slops.
- Never take the scooter on an escalator.
- Do not operate on frozen, slippery or salty roads.
- Never let the batteries freeze; do not charge when frozen.
- Do not let the batteries every go completely dead. When low, do not let sit for an extended period or damage may occur.
- Always use required safety equipment while operating.
- Do not modify or change the electrical system and frame. Doing so will void the warranty.

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: Not warranted (Tires, tubes, seat cushions, etc)
6. Labor costs are NOT covered by warranty.

Any damaged 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.