

Electric Monocycle Po-wheel Product Datasheet



Attention

- Please read the user's manual carefully before you ride the Po-wheel. Please check if all the components are in good condition to keep the security of your riding. Please contact the manufacture in time once any problems are founded.
- The Powheel monocycle is high mobility to makes you driving on rough road surface and through the obstacles easily. Driving the po-wheel monocycle may lead you face the personal safety accident by collisions, falls, and losing control. You must be careful riding, learn to recognize and avoid wet surface, steep slope and loose materials or items.
- Please ride wearing a helmet, knee pads, elbow pads and other protective devices for you and others safety. Do not ride on motorways or roads with many people.
- Please drive on the area without traffic to ensure avoiding other vehicle hit by accident.
- Please don't improve speed after the powheel over speed alarms to keep driving safety.
- The maximum incline for the powheel is 15 degree, please don't try steeper slope avoiding fall down.
- Please don't drive the powheel for the bank more than 4cm. It may cause the wheel deformation.
- The Po-wheel could be use in the light rain weather, but don't put the powheel into the water.

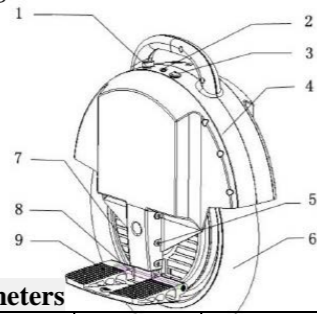
- Don't drive the faulty product to avoid accident.

I . Product Features

- Entertainment, fitness and serviceable.
- Energy conservation, environmental protection, durable.
- Portable and can put under the seat.

II . Product structure diagram

- Switch ON/OFF
- Three Color Indicator
- Charge Port
- Outside Case
- Fastening Screw
- Tyre
- Motor
- Pedal Shaft
- Pedal



III. Main Technical Parameters

Parameters	P1	P2	P3
Vehicle Weight (KG)	9.6	10.6	11
Load (KG)	120	120	120
Max Speed (KM/H)	16	16	16
Distance Per Charge (KM)	15	20	32
Charge Voltage (V)	52	36	48
Battery Energy (WH)	115	158	212

Notice:

- The distance per charge difference from the user's weight, road condition and the driving process.
- The maximum incline will be different due affected by the user's weight, speed and the angle of driving.
- The maximum load including the powheel, the driver and the attached items.

IV. LCD

Color	Status	Capacity
Green	Constant	Above 70%
Blue	Constant	Above 40%
Red	Constant	Above 10%
Red	Twinkle	Under 10%

Notice: when the red light continues to flash and the buzzer alarm means the capacity of battery has been almost used out. It must stop driving immediately and charge the Po-wheel before drive again.

V . Driving

① Principle Description

- Po-wheel is stabilized by gyroscope from backward to

forward.

- When driving the Po-wheel, your body leans forward, the Po-wheel perceives your motivation at the same time, then it drives forward; and your body leans backward, the Po-wheel perceives as well, then it brakes and reduces the speed through motor control.
- When driving the Po-wheel, you must balance yourself just as how to control a bicycle. It can not balance itself.
- Do not drive on smooth road or sandy road, as Po-wheel must drive on the road with certain friction to keep balance.

② Preparation For Use

- When you drive the Po-wheel first time, dress leisure clothes or sportswear and dress flat shoes. (Do not drive the Po-wheel with bare feet or toes expose out the shoes or high-heeled shoes)
- Bring the Po-wheel to the empty ground and ensure there is no obvious obstacle on the ground.

Before driving, you must check the battery indicator and shake the Po-wheel to check if there is any strange sound and loose parts. Push the Po-wheel moves on the ground to check whether the wheel and the Po-wheel shell cause friction.

③ New Learner Operate Steps

- Hold the handle with one hand and make sure the powheel is perpendicular to the ground
- Open both sides of the pedal, and place legs in parallel on both sides of powheel
- Place the foot you used to on the same side of the pedal, foot stampede at the center of pedal, calf slightly bent and firmly abutted to the buffer board.
- Relax anchor hold hands and upper body naturally upright, eyes straight ahead. Transferred body weight to the leg on ground and keeps the body balance.
- Always keep the above position, and slowly transfer the body weight to the leg on pedal, try to find a balance with foot off the ground until getting a short standing by one foot stepped on the pedal
- After strict compliance with the above steps, gradually begin one leg slowly moving forward until it can be maintained for a longer time sliding by one foot
- After sliding and keep body balance, gently put the other foot on the pedal. Meanwhile both calf relax, and adjust the position of fee to ensure balanced driving
- Maintain a certain speed, learn to control the speed by body forward and back
- After getting familiar with straight moving, according to the individual situation, try to change the direction by controlling body weight or twisting feet around.



④ The use of the learning belt

Without the learning belt, the po-wheel may hit the wall

or floor easily. We reduce the damage possibility to the Po-wheel by using the learning belt.

- Attached the learning belt to the hand shank of the po-wheel.
- With one foot on the pedal of the Po-wheel, adjust the learning belt length to your waist so that you can grab it comfortable.
- Stop when you feel losing your balance, to haul the learning belt to keep the po-wheel stop and avoid fall down.

⑤ Auxiliary wheel installation and unloading

Installation

Remove the bolt of the auxiliary wheel by using the cross screwdriver first, then put the auxiliary wheel card into the pedal, slot without deviation, tighten the bolt last. Use the same method to install another auxiliary wheel.

Unloading

Remove the bolt of the auxiliary wheel then put the pedal pressure back in the direction of the shell, the auxiliary wheel automatically fall off. Use the same way to unload another auxiliary wheel.

Notice Point:

- The new learner under 16age and above 45age should with other people on side to auxiliary to ensure the safety of the user.
- Pregnant women ban to drive the powheel.
- Please confirm the battery is full and tyre normal before use.
- The rider must wear helmets, knee pads, elbow pads and other protection tools, strictly abide by traffic regulations
- The maximum speed of Po-wheel is 16km/h. Please control the speed strictly, don't increase the speed without limit, the over-fast speed may lead losing control.
- Forbids practice the po-wheel in the street. Please find a secluded spacious place to practice.
- Please don't speed up/down drastic before proficiency driving.
- Avoid sharp turn, the pedal may scrub the ground and lead you lose balance.
- Can not drive on the night when in restricted visibility condition.

VI Battery Maintenance and Charging

- The Po-wheel with lithium ion battery inside, please make sure the battery is fully charged before the first time you use.
- Charging on the clean and dry condition. The input

wire of the charger plug into the power socket and output wire connect to the Po-wheel. The Red LED light indicates charging and Green LED light indicates fully charged.

- Standard Charge Time: By using the standard matched charger, the battery charged from 1% to 99% capacity need 1~2.5hours.
- Avoid fully discharge, if the battery on the shelf for long time, please also charge the battery every now and then. By doing this will extend the cycle life of the battery and usually the interval time is 2months to charge the battery by keep the battery 70% charged is the best.
- Don't put the battery in high temperature condition, usually put in shady and cool place with charge state, don't need fully charged.

Charge Notice Point

- Please don't try to ride when the charger is plug in.
- Please put on the safe place that children cannot touch when charging.
- Please don't use other brands of charger. The different type battery is also not available by using the charger we matched.
- The charger inside includes high-tension circuit, please don't disassembly by yourself.
- Please avoid any liquid or scrap metal particles infiltrate the charger, avoid drop and clash to cause damage.
- Please don't cover the charger when charging.
- The charger we matched is indoor use type, please using under dry and ventilated condition.
- If you found the charger peculiar smell or excess temperature when charging, please stop charge immediately and send the charger overhaul.

VII Maintenance

① Maintain

- Don't store the Po-wheel on the wet environment.
- Ban flush. Avoid the internal electronic components and circuits humid to cause accident.
- Please use neutral detergent, use cleaning cloth wipe the dirt on the surface of paint or plastic gently, then wipe with dry cleaning cloth.
- Avoid using Po-wheel in the rain or wet weather.
- Please charge the Po-wheel regularly when you have the Po-wheel un-used for a period of time, in order to avoid the battery runs out. At the same time, the battery can't be removed.
- The Po-wheel can be retained at room temperature. Please don't keep the Po-wheel in below 4 degrees

Celsius and above 40 degrees Celsius environment for long time. Use temperature range is - 20 to 60 degrees Celsius.

② Replace the Inner Ties

- Please use a dedicated tool or a screwdriver when the tyre had a damaged tube need maintenance or replacement.
- Operate by open the side without LED light.
- Use the screwdriver to remove ring side 10 bolts.
- Remove 6 bolts on the middle of the side cover then open it.
- Notice the wiring harness on both sides in the process of disassembly. Just pick up the connection terminals through separation. Don't force to disassembly.

③ Repair

Don't break up the Po-wheel parts, also please do not to replace the battery and motor by yourself. If you do needs this please go to the repair shop or contact us. We will provide the best service for you.

Powheel Datasheet:

Speed Up to 15 mph / 20 kph
 Range Approx. 13 miles / 20 km
 Charge time 1 hour
 Weight 24 lbs / 11 kg
 Maximum load 250 lbs / 113 kg
 Motor power 500W
 Battery LiNCM (lithium-ion), 160 Wh
 Charger Custom international 2A charger, 100-240 VAC
 Tire 16in x 2.125in
 Maximum incline 15°
 Warranty 1 year
 Battery lifetime Over 400 cycles
 Length 17.0 in / 43.2 cm
 Width (pedals unfolded) 14.0 in / 35.6 cm
 Width (pedals folded) 8.0 in / 20.3 cm
 Height 19.0 in / 48.3 cm

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