

# *MotoTec*

## Drifter 48v Electric Trike



**WARNING** Not for under 13 year old

**Read this manual completely before rideing your electric trike**

Motor power: 500 Watt Brushless Hub Motor

Battery: Four 12v 12ah Batteries (48v total)

Max Weight Capacity: 240 Lbs.

Recommended Age: 13 and up

Charger Included

Battery life: Over 300 charges

Rated Speed: 22 MPH (weight dependant)

Range per charge: 20-25 Miles\*

Recharge time: 4-8hrs

Climbing Ability: 15 Degrees

Seat: Wide Saddle

Front Wheel Diameter: 70/90-14 78CM

Rear Tires Diameter: 10.4.5-5 27CM

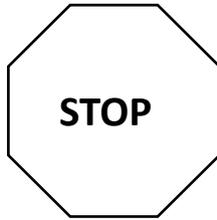
Shipping Weight: 55KGS

Shipping Carton Size: 83\*74.5\*46CM

Scooter Weight: 93 Lbs

Scooter Dimensions: Length: 41 inches, Width: 28 inches,  
Height: 50 inches

Ground Clearance: 2 inches



**IMPORTANT !**

**BEFORE YOU OPERATE YOUR ELECTRIC SCOOTER PLEASE READ CAREFULLY:**

**YOUR EXISTING INSURANCE POLICY MAY NOT PROVIDE COVERAGE FOR ELECTRIC VEHICLES; YOU SHOULD CONTACT YOUR INSURANCE AGENT TO DETERMINE IF COVERAGE IS PROVIDED.**

 **Do not ride this scooter until you read and thoroughly understand the owner's manual. If you have questions about the operation of this scooter, you should contact our service department.**

 **It is extremely important that you follow the safety guidelines contained in this manual in order to insure maximum safety.**

 **Failure to comply with the standards outlined in this manual could result in fire and/or/serious injury.**

 **We are not liable for any damage or injuries caused by unsafe or faulty repairs. Any repairs made to this product by unauthorized service technicians are the sole responsibility of the owner.**

## **WARNING**

**PLEASE MAKE SURE THE QUICK RELEASE HAS BEEN LOCKED BEFORE DRIVING.  
HANDLEBARS ASSEMBLY MUST OVER SAFETY VALVE AND MAKE SURE HAS BEEN  
LOCKED.**

**CHECK IF ALL TIRES ARE PROPERLY INFLATED BEFORE RIDING THE SCOOTER.**

**ALWAYS WEAR A HELMET WHEN RIDING THE SCOOTER. WEAR REFLECTIVE  
CLOTHING.**

**NEVER TRY STUNTS. ALWAYS MAINTAIN A SAFE SPEED.  
FOLLOW ALL STATE&CITY LAWS REGARDING USE OF ELECTRIC SCOOTER ON  
ROADS.**

**?**



**Our products are designed to be ecologically  
Conscious, please dispose of used batteries in  
Compliance with local laws..**

# **WARNING**

**THE ELECTRIC TRISCOOTER IS NOT A TOY AND SHOULD NOT BE OPERATED BY ANY ONE UNDER 13 YEARS OLD.**

**Safety Instruction (Please take note of the followings before each Ride.)**

- . The maximum weight capacity is 300lbs.**
- . Only one person at a time should ride.**
- . Always wear protective gear including knee and elbow pads and an approved safety helmet when riding the scooter.**
- . Before riding be sure to check that all pivot points, locking buttons, quick releases, and latches are secured properly.**
- . The power switch lock must be in the "off" position when the tri scooter is being charged.**
- . Do not use the scooter when it is raining.**
- . Do not place the battery near heat or fire.**
- . Do not expose the charger near water.**
- . Check if battery after each use.**
- . Always ride on dry paved surfaces. Wet and uneven surfaces are a hazard.**
- . Sand and loose impediments are your enemy, avoid them.**
- . Never operate too fast for your skills or condition.**

## LIST OF PARTS



- (1) handlebar
- (2) the front wheel motor
- (3) the seat
- (4) the rear wheels + drift ring
- (5) foot
- (6) flag
- (7) batteries, controller
- (8) Turn speed
- (9) brake



**Are there on the pedal hint left and right**



**We need to use two screws to fixed Left and right pedal**



**We have total of 4 plugs ,so make sure Connect  
the same A B C D**

# ASSEMBLING THE ELECTRIC TRI SCOOTER

1. Unpack the Scooter carefully so that you do not misplace any of the parts.



2. Place the Scooter on a flat, level surface. Using any household item, raise the front base of the scooter up at least 4 so you can easily connect the frame/front wheel to the base.



3. Remove the bolts and nuts from the connecting tube clamp. Place the connecting tube into the top opening. After aligning the hole, place the two bolts through the connecting tube and neck assembly. Twist the bolts, do not hammer them through. Tighten these two bolts with the nuts provided.



## ASSEMBLING THE ELECTRIC TRI SCOOTER

4. The two Allen set screws on the front of the connecting clamp are for removing any play after the bolts have been tightened. First, back of the nuts; second, set the screws; third, tighten the nuts to prevent the screws from backing off.



5. Match the pins of the plugs to the holes of the sockets. Note the alignment notches.



## **CHARGING THE BATTERIES**

Before you ride the scooter for the first time, it is advised that the unit is to be fully charged(4-6 hours)and fully discharged(ride until the battery gauge indicates low battery)for at least three cycles to maximize the efficiency of the battery.After that,you should continue to charge the battery frequently,at least once every 30days to prolong the battery lifespan.

### **IMPORTANT:**

Do Not leave the battery uncharged for more than 3months;otherwise it will greatly reduce the battery lifespan.

**TIP FOR BATTERY CARE:Charge the batter after each use!**

**Option1:**

To charge the batteries, plug the charger into the charge socket located on the rear side of the battery/controller compartment.Then plug the charge into a wall outlet.



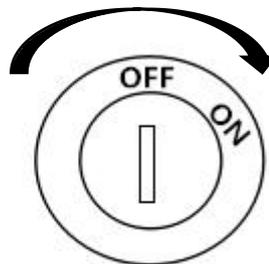
**Option2:(for professional use only)**

Remove the screws from the battery compartment located at the front part of the footboard.Disconnect the wires.Life the battery box.Connect the battery and charger using the changer convertible cable. Plug the charger into the wall outlet.



## **RIDING THE TRI SCOOTER**

**Once you have completed the initial charge you are ready to ride. Remember, this is not a toy. The scooter can reach speeds up to 15.5mph depending on the terrain and the weight of the rider. You must wear a helmet and protective pads. You must also be aware of all local laws and ordinances that govern and/or restrict the use of powered scooters. The laws and ordinances vary greatly from municipality. It is your responsibility to know and abide by your local restrictions.**



**To ride, plug the key into key ignition and turn the key**

to the “ ON”position.The battery gauge will illuminate indicating that the battery is in operation.

Hold onto the handlebars with both hands.Your left fingers will control the byakes and your right thumb will control the thumb throttle .As you depress the throttle lever with your thumb the speed will increase.Release the thumb throttle and apply the brake to stop the scooter.You will control the speed of the scooter by using both the throttle and the brake.When the brake handle is squeezed it cuts power to the throttle.

**NOTE 1:**You may use the balancing wheel(the smaller rear wheel) to balance the scooter when you want to ride with the front wheel raised.

**WARNING:**Never try stunts beyond the control of your skills.Never ride too fast for your skills or condition.

**NOTE 2:**When scooter is parked, press the power switch button, to the “OFF”position;this will avoid anyone from accidentally pushing the throttle causing the scooter to speed forward, Failure to do this could lead to an accident.

## **FOLDING THE TRI SCOOTER**

- 1.Unplug the power connecting plugs.
- 2.Unscrew the bolts and nuts from the connecting tube clamp using the enclosed allen wrenches.
- 3.Life the connecting tube(which is also attachment to the handlebar tube).
- 4.Carefully place the handlebar tube on the footrest frame.
- 5.Finger screw the bolts an nuts back to the connecting tube clamp to avoid any misplacement.

## **MAINTENANCE**

**Battery:(for professional use only)**

**The scooter is powered by 31Ah 36V rechargeable batteries secured in a battery bag. Other than recharging, these batteries need no maintenance. To prolong battery life, you must recharge the battery after each use. You must also charge your scooter if it has not been used for 30 days or more. If you must replace the batteries, they are located at the battery compartment at the footboard. To get them, remove the batteries with new ones and reconnect the wires. Follow the instructions on charging batteries to charge the new batteries.**

## TROUBLE SHOOTING GUIDE

(for professional use only)

Problem	Cause	Solution
<p>The power light by the thumb Throttle dose not illuminate when the tri scooter is On</p>	<p>1.Battery is discharged. 2.Loose connection inside the tri scooter 3.Fuse us blown</p>	<p>1.Recharge your tri scooter. 2.Remove the screws that hold the battery compartment cover and raise the cover.Visually inspect all there are no loose wires, reconnecting those that are. 3.Replace the fuse.</p>
<p>The power Indicator by the Thumb throttle Illuminates but Tri scooter still Dose not work</p>	<p>1.The throttle handle is not operating properly.</p>	<p>1.Replace the throttle handle.Contact your local dealer to order a new throttle.</p>
<p>Clicking noise Coming from Motor</p>	<p>1.Brush in motor has com loose</p>	<p>1.Replace motor.Call your local dealer to order a new 350W motor</p>
<p>When the brake Lever is squeezed The tri scooter Dose not stop.</p>	<p>1.The brakes are not adjusted properly.</p>	<p>1.Adjust the brake by loosening the bolt on the rear brake wheel, Pull the cable and retighten the bolt.</p>
<p>Scooter is losing Speed.</p>	<p>1.Low battery 2.Battery is old.</p>	<p>1.Recharge your battery for6-8hours 2.Replace battery.Call your local Dealer to order a new 36V battery.</p>

**DO NOT RETURN TO STORE**

**For service, Create Online, Trouble Ticket**

**[Http://support.bigtoysusa.com](http://support.bigtoysusa.com)**