

## AfrikaBurn Department of Mutant Vehicles e-Bike Policy

As the number of e-Bikes and electronic transportation vehicles has risen at our main annual event, the need for a policy has grown, in order to ensure that both riders (drivers) and pedestrians remain safe. If you plan to bring an e-Bike or other form of electric vehicle to our event, please read through the guidelines provided by our policy.

Before we get into the details and policy, there's one simple rule that applies:

### **IF YOU CAN'T LIFT IT THEN IT NEEDS MUTATION AND REGISTRATION**

#### **Electric Vehicles and South African road rules**

All mutant vehicles and e-Bike must adhere to South African road rules and laws and must also adhere to all rules and policies on site of AfrikaBurn (and roads leading to the event and surrounding the event site and land used and controlled by AfrikaBurn and the DMV). All mutant vehicle rules are also subject to this.

Non-adherence to these rules can lead to driving suspension and ejection from the event site and or fines and arrest by the Local traffic and road authorities. The power of an e-bike and electric vehicle is registered in watts just like a drill or hairdryer. One horsepower is 750 watts, ie: the strength of one horse.

At AfrikaBurn anything under 400 Watts is OK and would not need to be registered or mutated (ie: transformed to no longer look like a 'normal' vehicle') - everything above needs to be registered and mutated, especially fat-wheeled scooters. Burning Man has to adhere to Nevada state laws and **AfrikaBurn has to adhere to South African laws.**

**BE RESPONSIBLE** - The speed limit on the Binnekring is 10km per hour, even for electrically-powered bikes.

**BE SAFE** - Even if you're doing the speed limit, operate safely around participants, especially in crowded or high traffic areas. Please do not ride around Binnekring Road: this is reserved for pedestrians, bicycles and event Operations, and Emergency, vehicles only.

**BE CONSIDERATE** - Beyond being responsible and safe, it's also important to be considerate of those around you. That means being mindful of others.

#### **Personal Transportation Vehicles (PTVs)**

Larger stand-up scooters, fat-tire scooters, gas-powered bicycles, powered quadricycles, mopeds and motorcycles are not allowed. <confusing??? please add pics> Large electrical vehicles have to be mutated.

Anything with an electric motor bigger than 400 Watts must be mutated and registered.

## **ALLOWED Participant Personal Transportation Vehicles (PTVs)**

### **Electric-Assist Bicycles (e-Bikes)**

- Must conform to the definition of “electric bicycle”
- Generally recognised as a bicycle:
  - 2-3 wheels
  - Working pedals
  - Electric motor, up to a maximum of 400 Watts
  - Does not include mopeds

### **Stand-up Handle Scooters (e.g., Go-Peds)**

- Designed with no seat (cannot be a modified vehicle with the seat removed)
- Gas motor, up to 40cc
- Electric motor up to a maximum of 400 Watts
- Top-rated speed up to 30km
- Wheels up to 20cm
- Weight up to 20kg

### **eWheel (unicycle-type) and OneWheel (skateboard-type)**

- Electric motor up to 400 watts

### **Self-Balancing Bi-Wheel (Segway-type)**

- Must conform to the definition of “electric personal assistive mobility device”
  - Electric motor up to 400 Watts
  - While the weight of these vehicles is a concern, they are currently permitted due to their relatively low top speed and low-to-the-ground profile.

### **Hoverboards**

- Electric motor up to 400 Watts

### **Wind-Powered Vehicles**

- Some types of wind-powered vehicles are allowed. Drivers are encouraged to decorate their crafts.
- Wind-powered vehicles allowed must have the following characteristics:

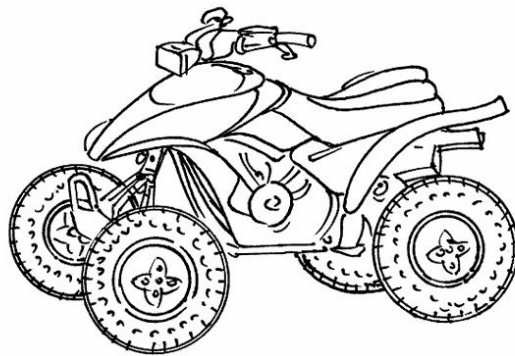
- An effective mechanical braking system
- A pivoting mast
- Operational only while operator is standing
- The following types of wind-powered vehicles are **NOT** allowed:
  - Vehicles with a fixed mast
  - Vehicles in which the operator is sitting or reclining
  - Three-wheeled “land yachts”
  - Kite sailing vehicles (powered by a high-flying kite rather than attached to a mast)

More links

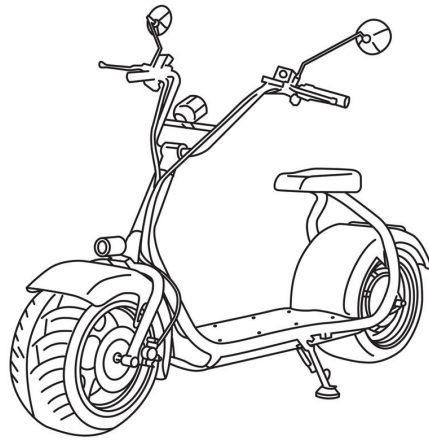
- <https://burningman.org/event/art-performance/mutant-vehicles/vehicle-rules-and-protocols/>
- [https://en.wikipedia.org/wiki/Electric\\_bicycle\\_laws](https://en.wikipedia.org/wiki/Electric_bicycle_laws)
- <https://burningman.org/event/art-performance/mutant-vehicles/vehicle-rules-and-protocols/>
- <https://journal.burningman.org/2018/06/black-rock-city/survive-and-thrive/electric-powered-bikes/>
- <https://www.youtube.com/watch?v=qkcxuCOgykc>

**Below are examples of electric vehicles that need to be mutated.**

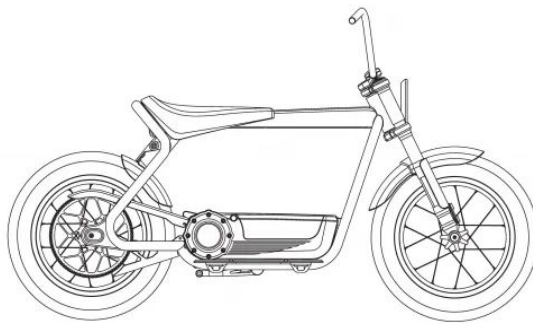
**These types of vehicles are NOT permitted to drive in Tankwa Town unless they are registered and licenced.**



**Electric Quad-bike style vehicle**

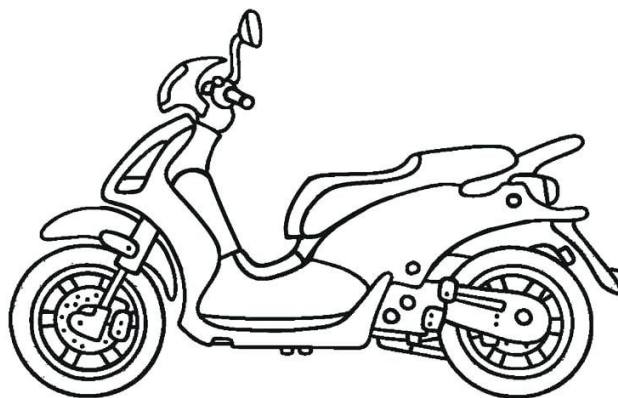


**Electric-Assist Bicycle**



*RIGHT VIEW*

**Moped-style e-bike**



**Scooter-style e-bike**



**Tuk-tuk style e-bike**