



Greater Madison Metropolitan
Planning Organization

The State of e-Things

City of Madison Disability Rights
Commission

July 23, 2026



01

Basic Rules of the Road (or Path or Sidewalk)



Basic Rules of the Road

[Wis. Statutes 346.02](#)

(4) APPLICABILITY TO PERSONS RIDING BICYCLES, ELECTRIC BICYCLES, AND MOTOR BICYCLES.

- (a) Subject to the special provisions applicable to bicycles, every person riding a bicycle upon a roadway or shoulder of a highway is granted all the rights and is subject to all the duties that this chapter grants or applies to the operator of a vehicle, except those provisions that by their express terms apply only to motor vehicles or that by their very nature would have no application to bicycles. For purposes of this chapter, provisions that apply to bicycles also apply to electric bicycles and motor bicycles, except as otherwise expressly provided.
- (b) Provisions which apply to the operation of bicycles in crosswalks...do not apply to motor bicycles.

(8) APPLICABILITY TO PEDESTRIAN WAYS.

- (a) All of the applicable provisions of this chapter pertaining to highways, streets, alleys, roadways and sidewalks also apply to pedestrian ways. A pedestrian way means a walk designated for the use of pedestrian travel.

(12) APPLICABILITY TO ELECTRIC SCOOTERS AND ELECTRIC PERSONAL ASSISTIVE MOBILITY DEVICES. An electric scooter and an electric personal assistive mobility device shall be considered a vehicle...except those provisions which by their express terms apply only to motor vehicles or which by their very nature would have no application to electric scooters or electric personal assistive mobility devices.



Basic Rules of the Road

[Wis. Statutes 346.075](#) **Overtaking certain vehicles and devices.**

(1) The operator of a motor vehicle overtaking a bicycle, electric scooter, or electric personal assistive mobility device proceeding in the same direction shall exercise due care, leaving a safe distance, but in no case less than 3 feet clearance when passing the bicycle, electric scooter, or electric personal assistive mobility device, and shall maintain clearance until safely past the overtaken bicycle, electric scooter, or electric personal assistive mobility device.

[Wis. Statutes 346.804](#) **Riding bicycle on sidewalk.** When local authorities under s. [346.94 \(1\)](#) permit bicycles on the sidewalk, every person operating a bicycle upon a sidewalk shall yield the right-of-way to any pedestrian and shall exercise due care and give an audible signal when passing a bicycle, electric scooter, or electric personal assistive mobility device rider or a pedestrian proceeding in the same direction.



Basic Rules of the Road

[Wis. Statutes 346.803](#) Riding bicycle, electric scooter, or electric personal assistive mobility device on bicycle way.

- (1)** Every person operating a bicycle, electric scooter, or electric personal assistive mobility device upon a bicycle way shall:
 - (a)** Exercise due care and give an audible signal when passing a bicycle, electric scooter, or electric personal assistive mobility device rider or a pedestrian proceeding in the same direction...
- (2)** Every person operating a bicycle, electric scooter, or electric personal assistive mobility device upon a bicycle way open to 2-way traffic shall ride on the right side of the bicycle way.
- (3)** Every operator of a bicycle, electric scooter, or electric personal assistive mobility device entering a bicycle way shall yield the right-of-way to all bicycles and pedestrians in the bicycle way.
- (4)** Except as provided in ss. [349.236 \(1\) \(bm\)](#) and [349.237](#), a person may operate an electric personal assistive mobility device, or an electric scooter at a speed not to exceed 15 miles per hour, upon any bicycle path.



Basic Rules of the Road

Wis. Statutes 346.23-28 RESPECTIVE RIGHTS AND DUTIES OF DRIVERS AND OTHER HIGHWAY USERS *[greatly condensed versions]*

At controlled intersections or crosswalks: Yield to pedestrians, bicycles, electric scooters, and electric personal mobility devices when they have a green signal.

At uncontrolled intersections or crosswalks: Yield to pedestrians, bicycles, electric scooters, and electric personal mobility devices.

At places other than crosswalks: Pedestrians, bicycles, electric scooters, and electric personal mobility devices must yield to vehicles in the roadway.

Blind pedestrians: Stop before approaching closer than 10 feet to a pedestrian carrying a white cane or walking stick or using a service animal.



Can I ride on the sidewalk?

	Riding bicycles on sidewalks:	Riding bicycles on sidewalks permitted, except:	Riding e-Scooters on Sidewalks:
State of Wisconsin	Prohibited, may be allowed by municipalities		Allowed, may be restricted by municipalities
Dane County	Prohibited		Allowed
City of Fitchburg	Prohibited		Allowed
City of Madison	Allowed	Where buildings abut the sidewalk	Allowed
City of Middleton	Allowed	Where buildings are five feet or less from sidewalk	Allowed
City of Monona	Allowed	In designated areas	Allowed
City of Stoughton	Allowed	In designated areas	Allowed
City of Sun Prairie	Allowed	In designated areas	Allowed
City of Verona	Prohibited		Allowed
Village of Cottage Grove	Allowed		Allowed
Village of Cross Plains	Prohibited		Allowed
Village of DeForest	Prohibited		Allowed
Village of Maple Bluff	Allowed		Allowed
Village of McFarland	Prohibited		Allowed
Village of Mount Horeb	Allowed	In designated areas	Allowed
Village of Oregon	Allowed		Allowed
Village of Shorewood Hills	Prohibited		Allowed
Village of Waunakee	Prohibited		Allowed
Village of Windsor	Prohibited		Allowed



02

E-Bikes, E-Scooters, E-Motos, and More!



What we **AREN'T** talking about today:

“Other power-driven mobility device” (OPDMD) means any mobility device powered by batteries, fuel, or other engine that is used by individuals with mobility disabilities for the purpose of locomotion, including golf cars, electronic personal assistance mobility devices such as the Segway® PT, or any mobility device designed to operate in areas without defined pedestrian routes, but that is not a wheelchair. When an OPDMD is being used by a person with a mobility disability, different rules apply under the ADA than when it is being used by a person without a disability.

- ADA Title II and Title III rule effective March 15, 2011.

<https://www.ada.gov/resources/opdmds/>



So what are the goals of MPO's recommended definitions?

- Differentiate between lower-speed and higher-speed OCEVs
- Protect the use of emerging mobility technologies for groups that depend on them
- Prohibit excessively fast vehicles from using pedestrian and bicycle-centric facilities
- Define EVERYTHING – current definitions are narrow and miss outliers
- Set consistent speed thresholds between device types



E-Mobility Devices play an important role in transportation

E-devices other than e-bikes are used at higher rates by traditionally under-served populations:

- Lower income populations
- People experiencing disabilities
- People with lower educational attainment
- Minority populations

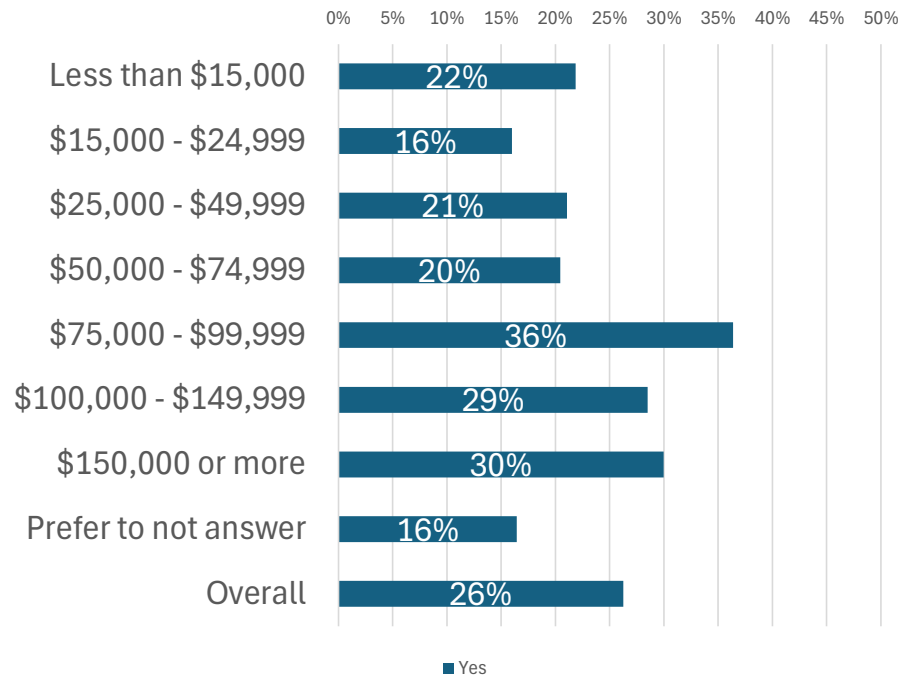
And:

- Residents of communities without public transit

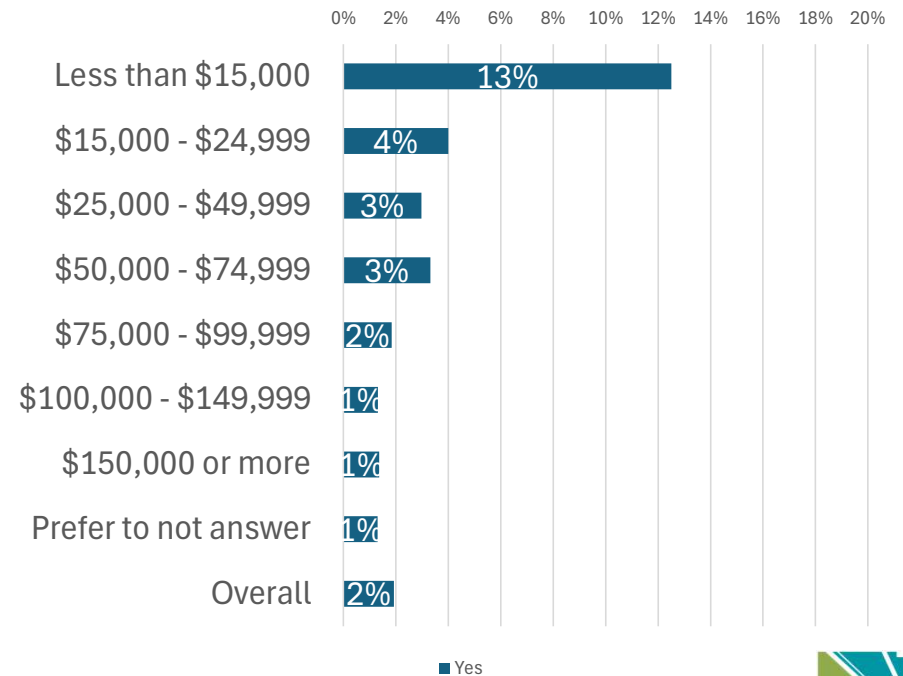


E-Bike and E-Device Use by Income

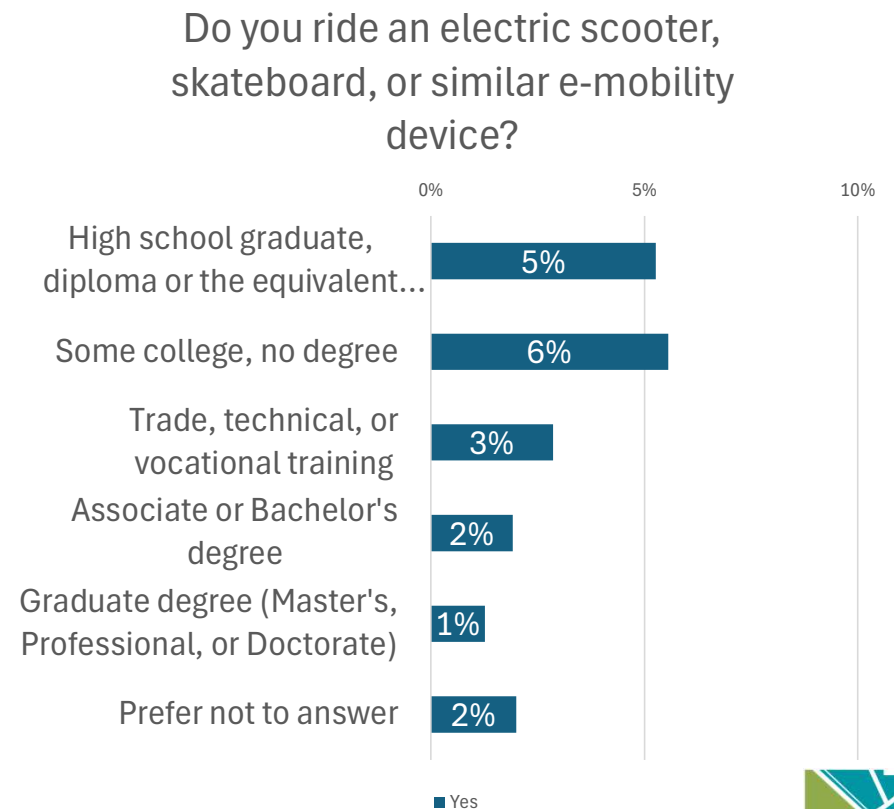
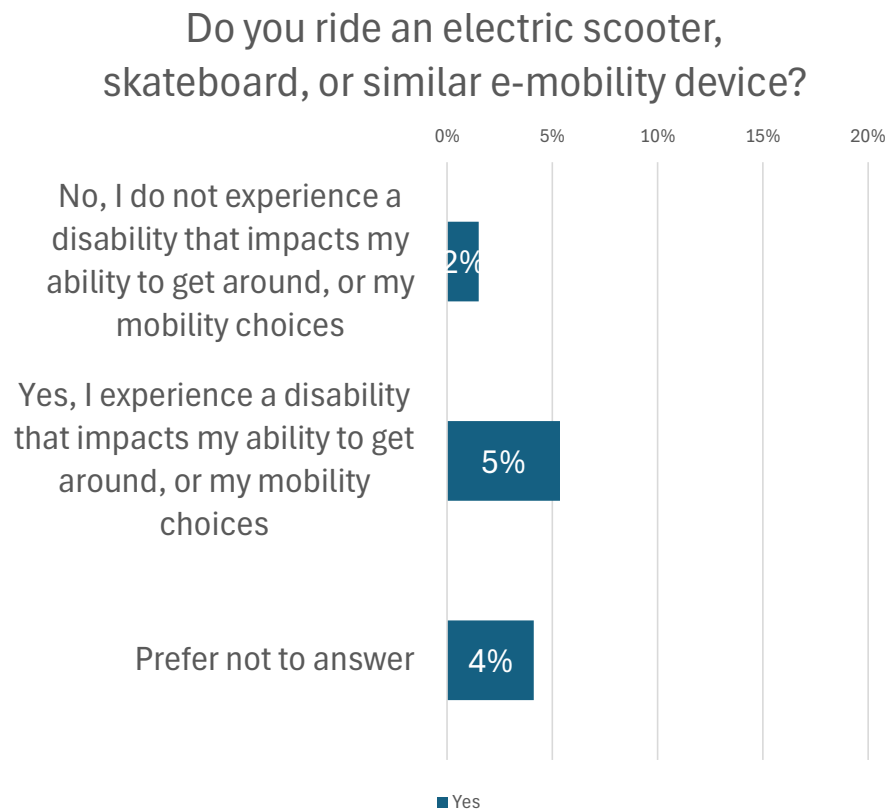
Do you ride an electric bike (privately owned or BCycle bikeshare)?



Do you ride an electric scooter, skateboard, or similar e-mobility device?

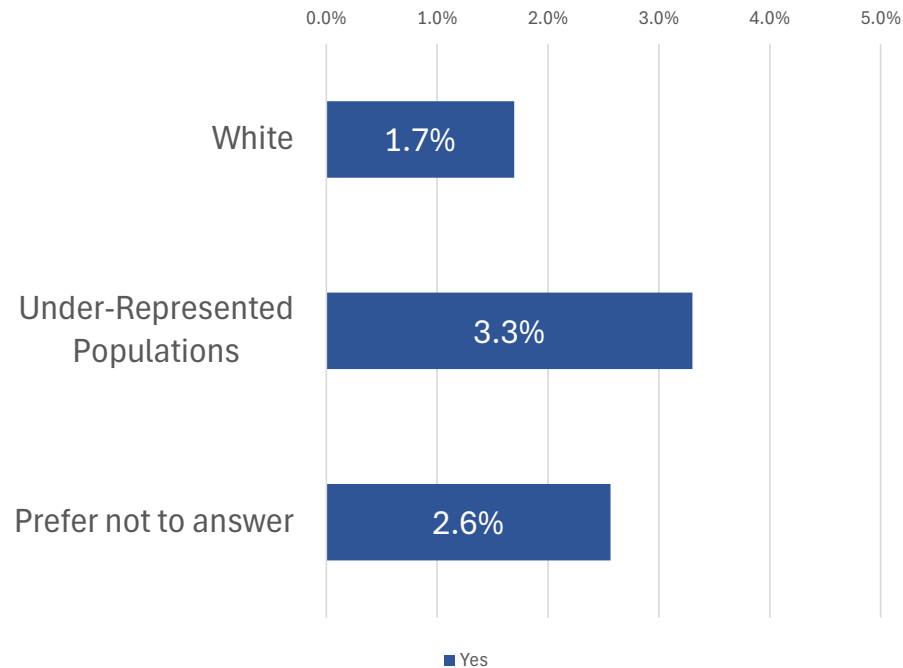


E-Device use by Disability and Education

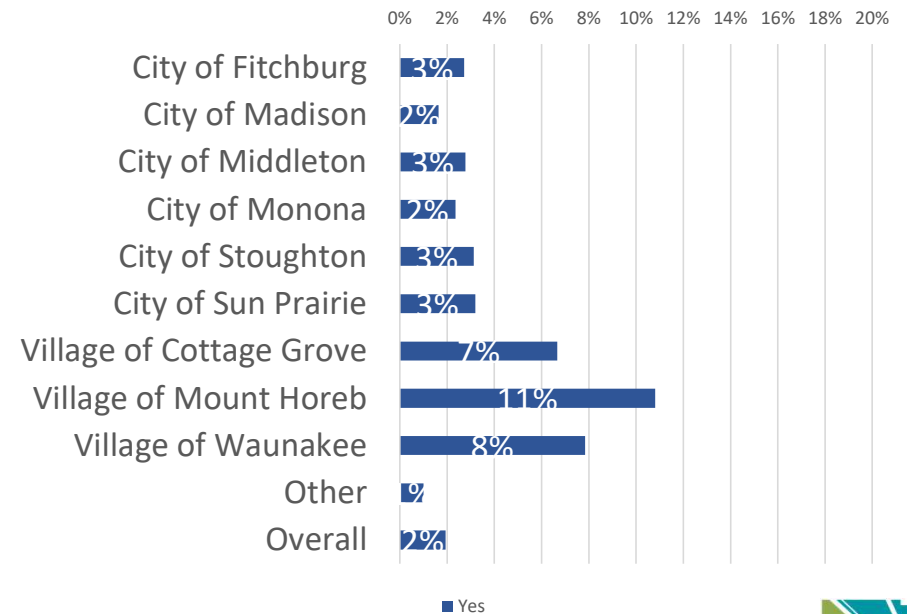


E-Device use by Race and Community of Residence

Do you ride an electric scooter, skateboard, or similar e-mobility device?



Do you ride an electric scooter, skateboard, or similar e-mobility device?



A Note About Maximum Speeds

2026 Lamborghini Revuelto

- Engine: 6.5L V12 + 3 electric motors
- Horsepower: 1,001 hp
- 0-60 mph: 2.5 seconds
- **Top Speed: 217 mph**



MPO- Recommended E-Moto Definition

“E-moto” means any type of electric bicycle, scooter, or other device capable of speeds greater than 28 mph under electric power that is not elsewhere defined in state law.

These devices are not legal e-bikes or e-scooters and should not be advertised, sold, offered for sale, or labeled as e-bikes or e-scooters. Only such devices with a Vehicle Identification Number (VIN) can be registered and insured for street use, and a Class M (motorcycle) license is required to operate them. Such devices which do not have a VIN and cannot be registered may only be used on private property. These devices are also known as “Out-of-Class Electric Vehicles” (OCEVs). These devices are prohibited from using bike lanes, separated paths, and sidewalks.



MPO- Recommended E-Micromobility Device Definition

“Micromobility device” includes a broad range of lightweight electric-powered vehicles, not elsewhere defined under state law, that serve as personal mobility devices and have a top assisted speed of no more than 28 mph.



3 Classes of e-Bike in Wisconsin Law (and many other states)

“Electric bicycle” means a bicycle that is equipped with fully operative pedals for propulsion by human power and an electric motor of 750 watts or less and that meets the requirements of any of the following classifications:

(a) Class 1 electric bicycle is an electric bicycle equipped with a motor that provides assistance only when the rider is pedaling and that ceases to provide assistance when the bicycle reaches the speed of 20 miles per hour.

(b) Class 2 electric bicycle is an electric bicycle that may be powered solely by the motor and is not capable of providing assistance when the bicycle reaches the speed of 20 miles per hour.

(c) Class 3 electric bicycle is an electric bicycle equipped with a motor that provides assistance only when the rider is pedaling and that ceases to provide assistance when the bicycle reaches the speed of 28 miles per hour.

- 2019 Wisconsin Act 34

<https://docs.legis.wisconsin.gov/2019/related/acts/34>



They *look* like bikes, but...



JackRabbit OG2 Pro
Max speed: 20 mph
No Pedals



JackRabbit MG Doble (designed for two riders)
Max speed: 20 mph, 24 mph off-road mode
No Pedals



They *look* like bikes, but...



ENGWE M20 3.0
3300W Peak Output 120Nm Torque Moped-Style E-Bike
Max Speed: 40 mph



Freego Nova 3 Pro Mid-Drive All-Terrain Dirt eBike
Max speed: 55 mph
No pedals



They *look* like bikes, but...



KOOZ HP120E **Electric Motorcycle** for Kids
Max speed: 10 mph
No pedals



Terrosor GT 600 All-terrain **Electric Motorcycle**
Max speed: 28 mph
1200 W



E-Scooters Defined in State Law

“Electric scooter” (e-scooter) means a device weighing less than 100 pounds that has handlebars and an electric motor, is powered solely by the electric motor and human power, and has a maximum speed of not more than 20 miles per hour on a paved level surface when powered solely by the electric motor. “Electric scooter” does not include an electric personal assistive mobility device, motorcycle, motor bicycle, electric bicycle, or moped.

- [Wisconsin Statutes 340.01\(15ps\)](#)



E-Scooters, and Something Else Entirely



Inmotion Air
Max speed: 19 mph



Inmotion RS
Max speed: 68 mph



E-Scooters, and Something Else Entirely



Segway E2 Plus II Electric Scooter
Max speed: 15.5 mph



Segway GT3 Pro SuperScooter
Max speed: 50 mph



E-Scooters, and Something Else Entirely



OBARTER X7 Off-Road Electric Scooter
Max Speed: 56 mph



J15 Electric Scooter
Max speed: 32 mph



But what about other devices?

- Anything with only one wheel
- Non-pedal devices with any number of wheels that aren't e-scooters, e-bikes, or other defined devices



**Electric
“Play
Devices” are
not only Out-
of-Class –
they are also
prohibited
on roadways**

“Play vehicle”:

(a) Means a coaster, skateboard, roller skates, sled, toboggan, unicycle or toy vehicle upon which a person may ride.

(b) Does not include in-line skates or electric scooters.

- [Wisconsin Statutes 340.01\(43m\)](#)

Play vehicles not to be used on roadway. No person riding upon any play vehicle may attach the same or himself or herself to any vehicle upon a roadway or go upon any roadway except while crossing a roadway at a crosswalk.

- [Wisconsin Statutes 346.78](#)



Play and Other e- Devices

As none of the following devices fall under a legally-defined type of vehicle, they can all be considered “Out of Class Electric Vehicles” (OCEVs)

...BUT...

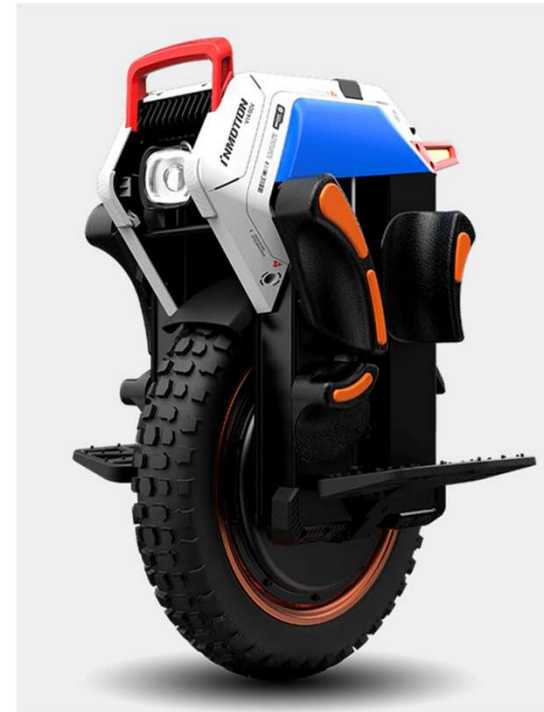
Should they really all be treated the same?



E-Unicycles



InMotion V9
Max speed: 25 mph



InMotion V14Pro
Max speed: 50 mph



OneWheels



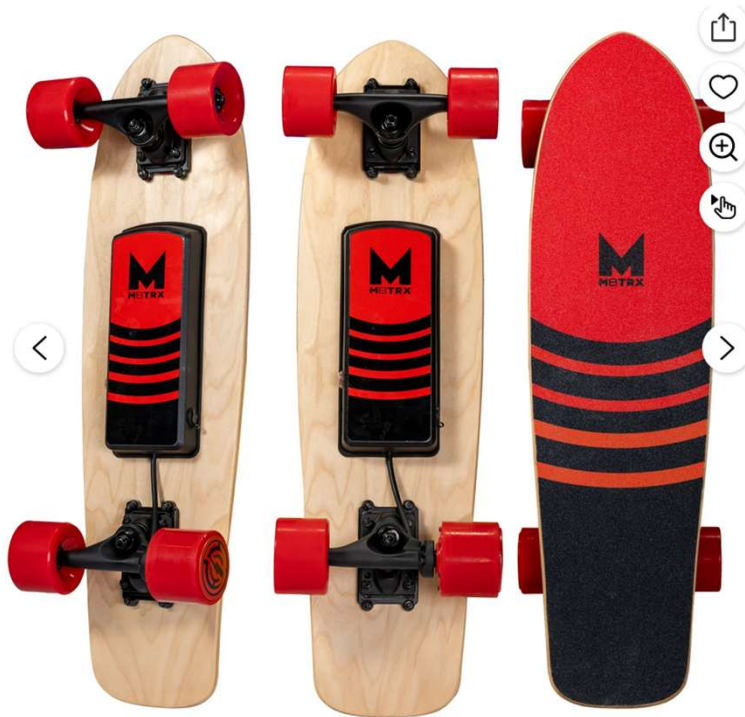
OneWheel Pint
Max speed: 16 mph



OneWheel Rally XL
Max speed: 25 mph



E-Skateboards



M8TRX EB100 Electric Skateboard
Max speed: 10 mph



Meepo Voyager X
Max speed: 34 mph



E-In-Line Skates & Roller Skates



Atmos Gear Electric Skates
Max speed: 15.5 mph



Wheelfeet 2 electric rollerskates
Max speed: 15 mph



**And more to
come...**



<https://youtu.be/-SedlBEs1l8?si=bbCqQ7cNKcl5EpdC>



03

MPO

Recommendations



MPO- Recommended E-Moto Definition

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State-Defined and Non-Defined Device Classes

	Throttle	Max Design Speed (mph)	Max Device Weight (lbs)	Max Device Wattage
Class 1 E-Bikes	No	20	No Limit	750
Class 2 E-Bikes	Yes	20	No Limit	750
Class 3 E-Bikes	No	28	No Limit	750
E-Scooters	Yes	20	100	No Limit
Micromobility Devices	Yes	28	No Limit	No Limit
E-Motos / High-Speed OCEVs	Yes	Over 28	No Limit	No Limit

As defined by State Statutes*

Not defined by State Statutes – See MPO suggested definition

Not defined in state statutes, but may fall within the definitions of a "motor bicycle," "motorcycle," or "moped."

*Other device types defined by state statutes but not shown include: electric personal assistive mobility devices (such as Segway), mopeds, motor bicycles, motorcycles, and play vehicles.

Where to Ride & What Can Be Regulated Locally?

	Sidewalks	Paths	Bike Lanes	Roads
Bikes	 Prohibited by State; Check Local Ordinances	 Allowed	 Allowed	 Allowed
Class 1, 2, & 3 E-Bikes		 Allowed	 Allowed	 Allowed
E-Scooters	 Allowed by State; Check Local Ordinances	 Allowed by State; Check Local Ordinance	 Allowed by State; Check Local Ordinance (>25 MPH limit)	 Allowed by State; Check Local Ordinance (>25 MPH limit)
Micromobility Devices	 Undefined	 Undefined	 Undefined	 Undefined
E-Motos & High-Speed OCEVs	 Prohibited	 Prohibited	 Prohibited	 Only those registered with the DMV & operated by a Class M-licensed driver