



Electric Bicycles and Electric Motorcycles: The Difference, The Problem, And The Solution

HEALTH // AGING & LONGEVITY

A 'phenomenal' way for older adults to get exercise

By **Erin Allday**, Staff Writer

July 20, 2025

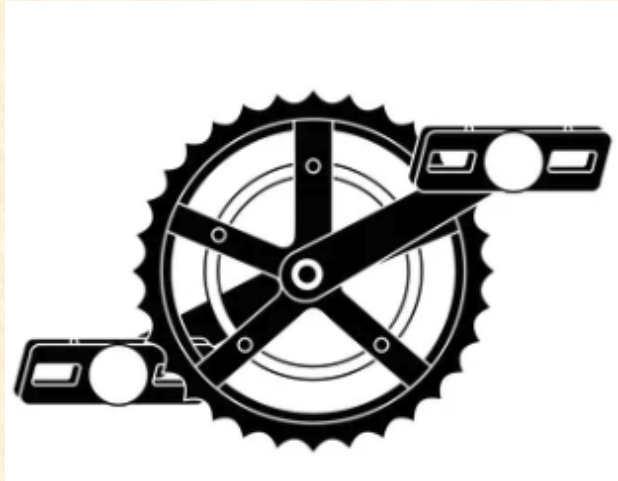
 Gift Article



“Bob Mittelstaedt, 77, descends Mount Tamalpais’ Octopus Trail on his electric mountain bike. Mittelstaedt, a longtime cyclist, switched from traditional bikes to e-bikes for on- and off-road riding about seven years ago.”



PEDAL-ASSIST



THROTTLE



PEDAL-ASSIST

(750 watts = 1 horsepower)

Class 1



Motor must cut off at
20 mph

Any Age

Class 3



Motor must cut off at
28 mph

16 years or older

Throttle-Activated

750 watts / 20mph



Class 2 Electric Bicycles
("E-bikes")



Electric Motorcycles
("E-motos")

		E-Bikes 	E-Motos 
 Treated As Bicycles			
 Treated as Motor Vehicles			
 License		Not Required	Required
 Registration		Not Required	Required
 Turn Signals		Not Required	Required
 Insurance		Not Required	Required

E-bike or E-moto?



THE POWER GOAT V3

★★★★★ (36)

\$2,999.00 ~~\$3,150.00~~

📺 Earn 2,999 Points when you buy this item.

Style/Color

ALL BLACK - PEDALS

ALL BLACK - NO PEDALS

BLACK GOLD FORKS - PEDALS

Custom 2,000W Rated Brushless Gearless Direct Drive Motor (3,000W Peak Power)

170NM of Torque

Max speed of between 40-50MPH (dependent on rider weight and terrain)

140lb=48MPH, 240lbs=43MPH

The top speed is set automatically to 20mph from the factory. To disable this feature, input the code "0000" in the bike settings.

<https://www.goatpowerbikes.com/collections/all-products/products/motor-goat>



Ride1Up REVV1 Specs

MSRP	\$2,295 (full suspension) / \$1,795 (hardtail)
Range	30-60 mi
Top Speed	20 mph (Class 2) 35+ mph (unlocked)
Category	Category 2



GT73 Electric Motorbike



2400W

Motor



37 MPH

Max Speed (measured without a rider)



Amyet



Freego



Macfox



Q life



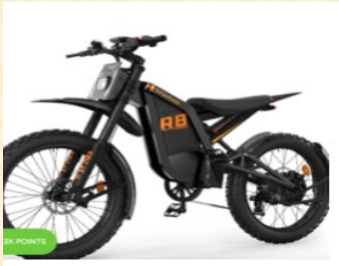
Riding Times



Super73



Ariel Rider



Isinwheel



Movcan



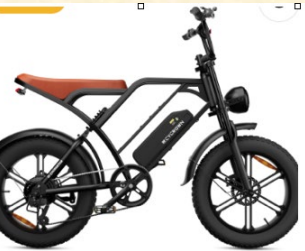
RAEV Bullet



Ridstar



Tuttio



Cycrun



Jasion



P-51



Ride1Up



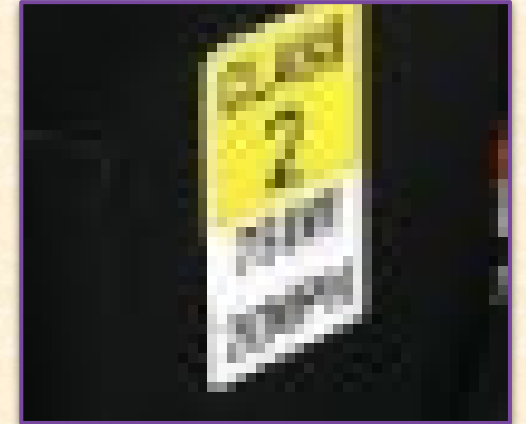
Sedway



Zooz



E Ride Pro



Tuttio Soleil01 Electric Mini Bike For Kids & Adults - UL Certification

48V **2000W** 1008Wh Lithium Cell **37Mph** UL2272



8 Pack Electric Bicycle Frame
Identification Class Number
Stickers Decals 2X 3.5 Inch - E-
Bike Class Number Sign Mark...

Options: [2 sizes](#)

4.3 ★★★★★ (18)

\$7⁸⁹ (\$0.99/count)

✓prime Tomorrow

FREE delivery Tomorrow, Oct 17

Taped-Over Brand Name



FREEGO NOVA5



BATTERY
72V, 40AH



MOTOR (PEAK)
8000W / 15000W (PRO)



FRAME
**ALUMINUM
ALLOY**



RANGE
40-70 MI



TOP SPEED
**53 MPH / 62
MPH (PRO)**



MAX TORQUE
380 N·M



FAT TIRE ELECTRIC BIKE

1000W LARGE BATTERY
Efficient motor

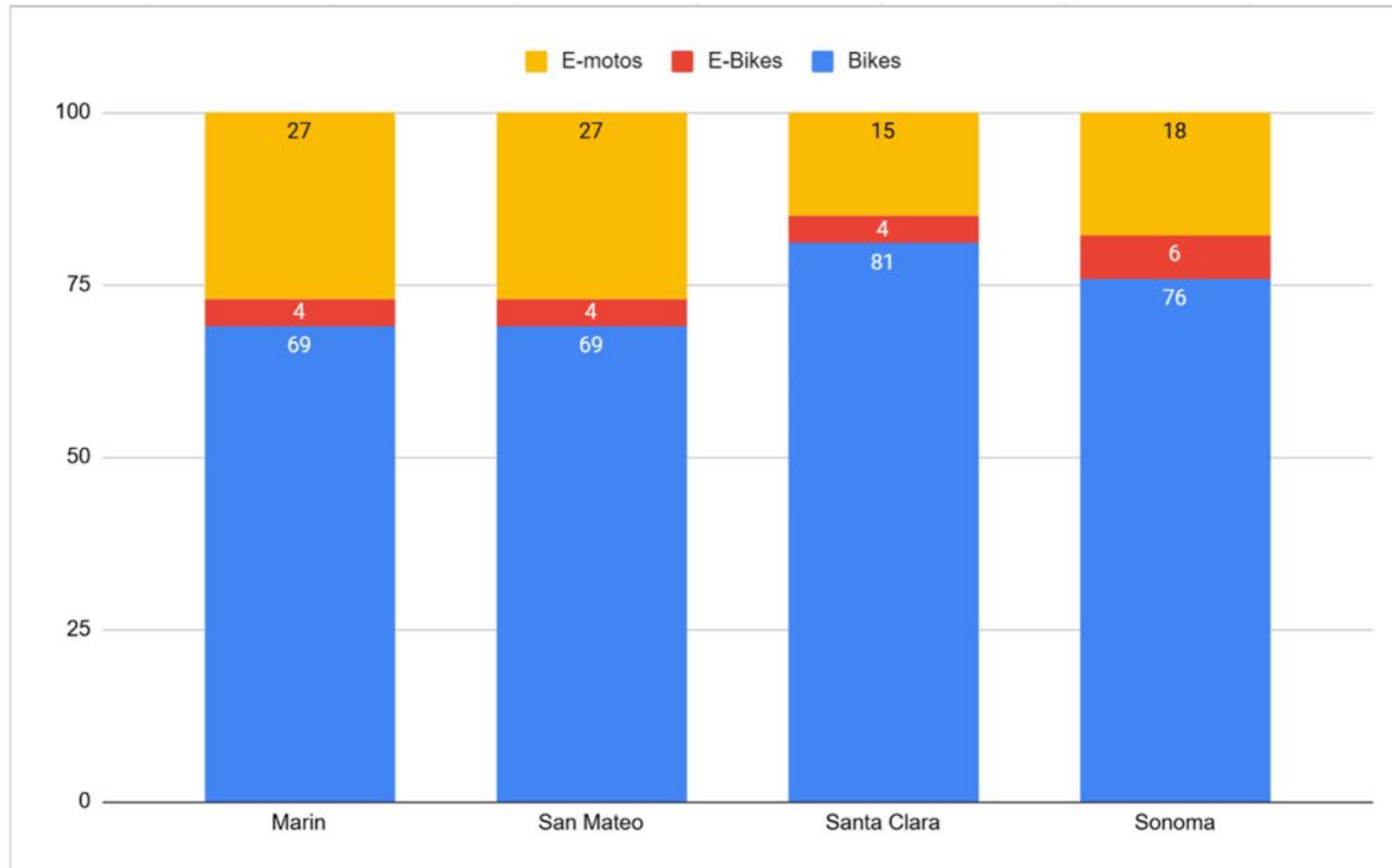
\$629 ~~\$1,099.99~~

Powerful 1000W High-Speed Motor

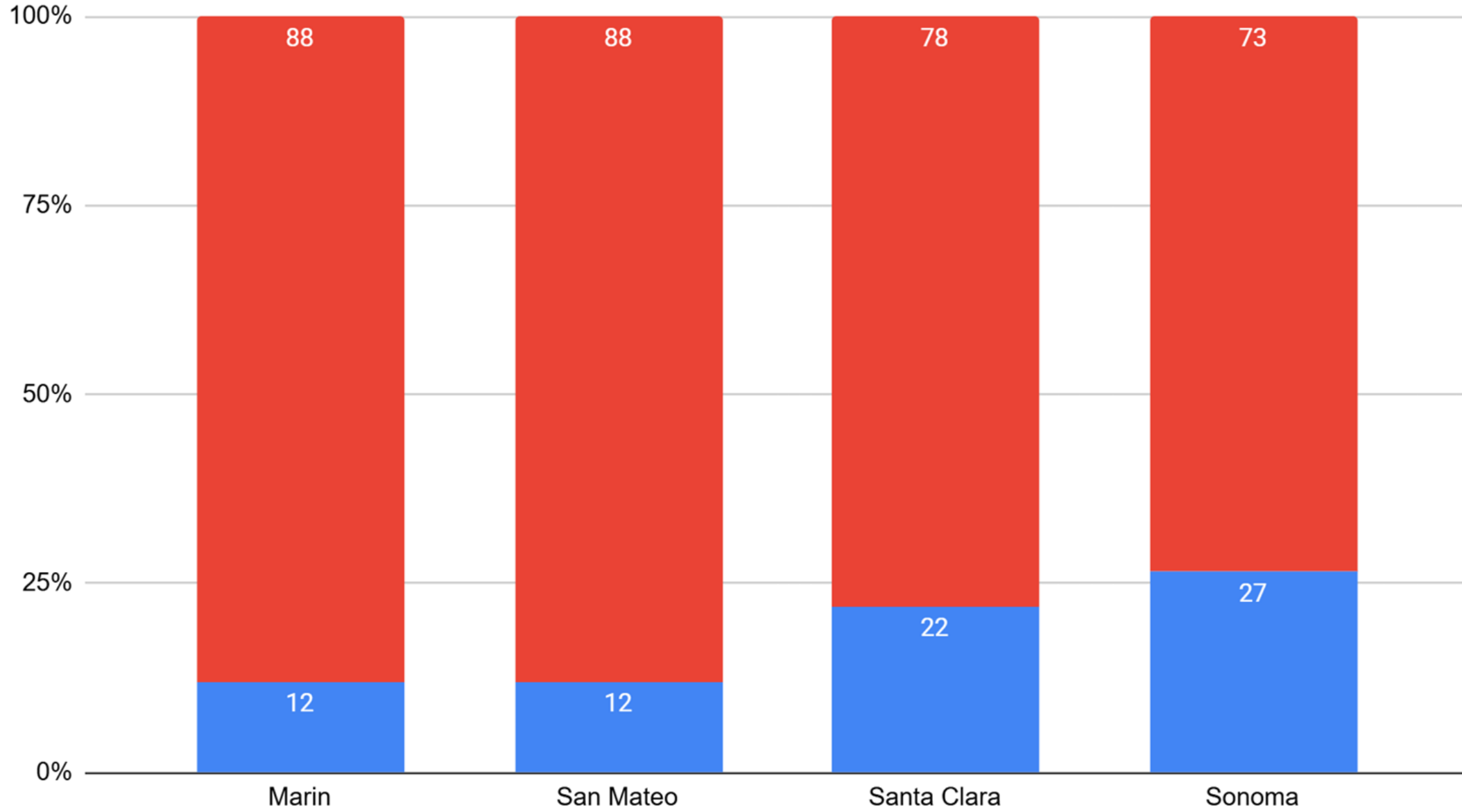
Our electric mountain bike is equipped with a powerful 1000W high-speed brushless motor, providing greater power and torque for your ride. With a top speed of up to 28+++mph, you can easily tackle challenging terrain and reach your destination faster.



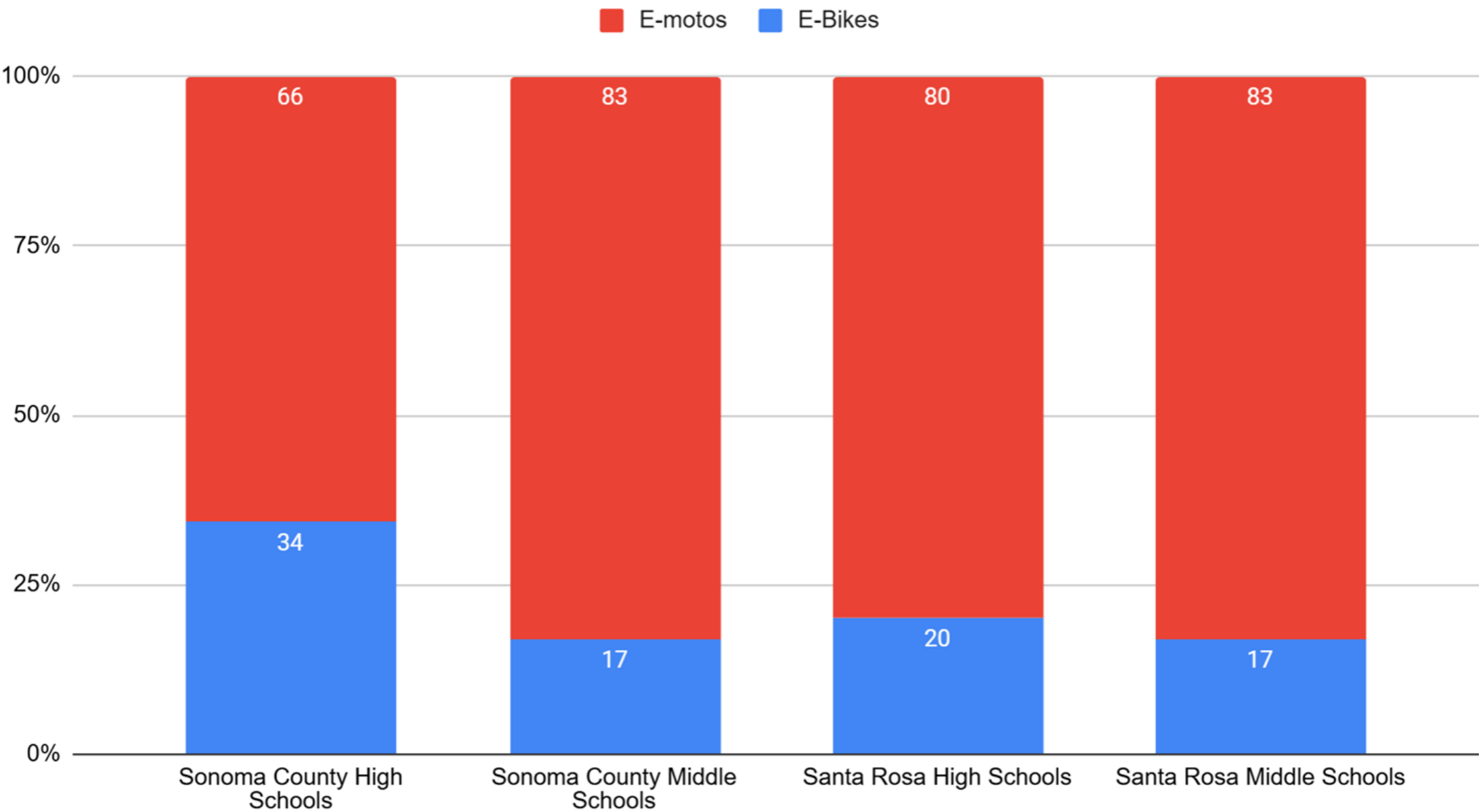
What percent of electric two-wheelers
at local schools are e-motos?



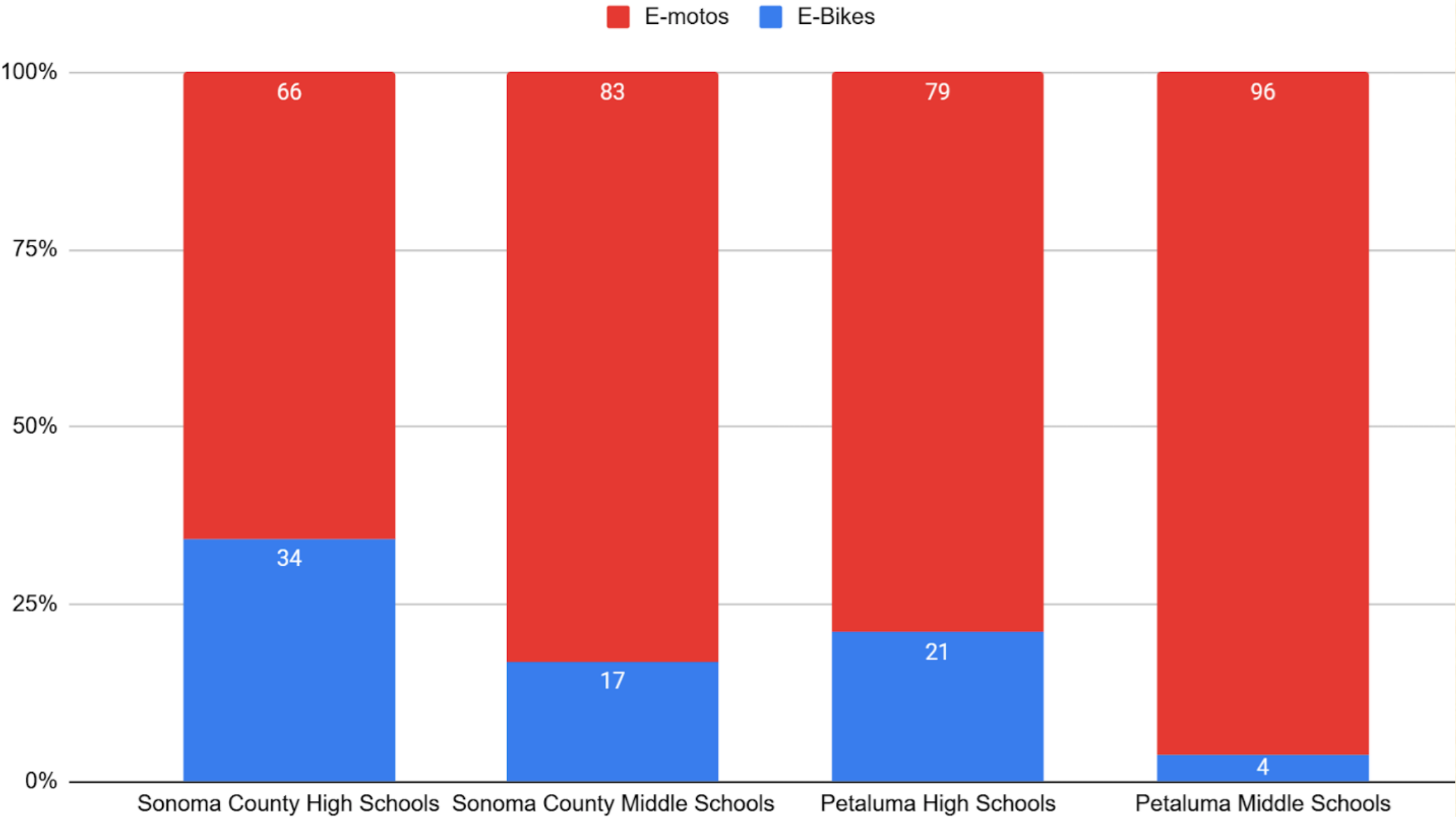
E-motos E-Bikes



E-Bikes and E-motos



E-Bikes and E-motos





peopleforbikes™

September 18, 2025

The E-Bike Problem is an E-Moto Problem

By: PeopleForBikes Staff



MTI Electric Bicycle Safety Study Identifies Illegal, Over-Powered Devices as Key Problem

COMMUNITIES

Measure the Problem: “Bike Counts”



71 "E-Motos" Parked in the Bicycle Corral at Stone Valley Middle School

WOTe (34mph)

HEVV 1DHT (34mph)

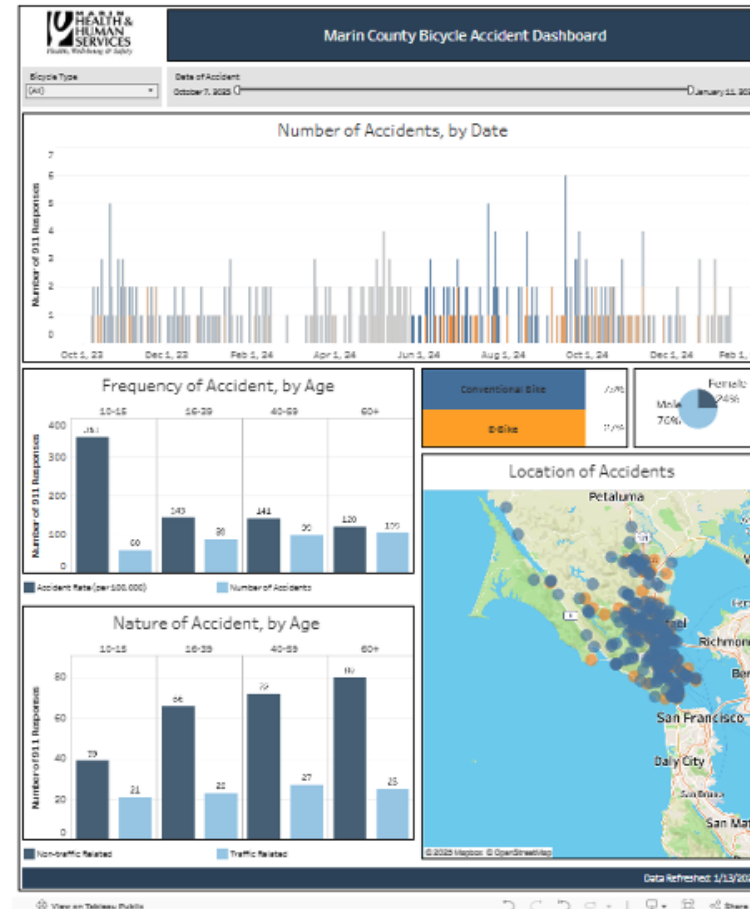
Measure the Problem: Injury Data

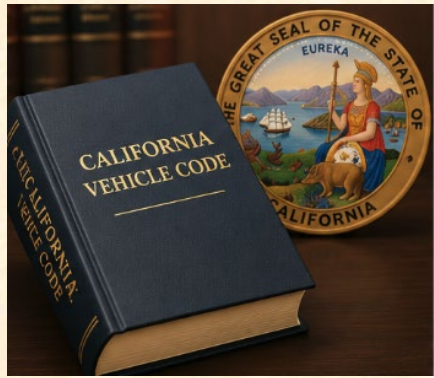
Bicycle Accident Dashboard

Dashboard contents include:

- Number accidents by date
- Frequency of accident by age
- Nature of accident by age
- Location of accidents
- % of e-bicycles vs. conventional bicycles
- % accidents by gender

<https://www.marinhhs.org/bicycle-safety>





Insist on Enforcement of Existing Laws



Driving motor vehicle without a driver license and DMV registration. *Veh. Code 12500(a)-(b); 4000.*

Parents allowing unlicensed juveniles to operate motor vehicle.
Veh. Code 14607

Placing child “in a situation where his or her person or health is endangered” *Penal Code 273(a)-(b)*

Parents Charged with Child Abuse in e-Moto Crash in Walnut Creek

Contra Costa District Attorney's Office

Posted on March 26, 2026



\$4,400.00

★★★★★ (1 review) Write

Battery Cells: Required

- ☒ Panasonic PF 34ah
- ☐ Samsung 35E 38ah +\$150.00

Add to Wish list

Description

CHILD ABUSE CHARGES FOR TEEN'S E-MOTORBIKE CRASH
POLICE WARNED PARENTS ABOUT SON'S RIDING FOR YEARS

battery pack. Forced light

OC mother charged after teen son critically injures 81-year-old in e-motorcycle crash

Prosecutors say the mother was warned about letting her son illegally ride the e-motorcycle before the crash.



CENTRAL MARIN
POLICE AUTHORITY



E-MOTORCYCLE WARNING

This device has a motor larger than **750 watts** and/or is capable of providing assistance above **20 mph**.

This is an **"e-motorcycle,"** not an "e-bike," and it is **not street-legal**.
Vehicle Code 312.5(a)(2).

It is **unlawful** to ride this **e-motorcycle** without a valid CA driver's license and DMV registration.
Vehicle Code 12500.

It is **unlawful** for parents to allow unlicensed juveniles to operate this **e-motorcycle**.
Vehicle Code 14607.

It is **unlawful** for anyone under the age of 16 to ride a Class 2 (pedal assist or throttle) e-bike in Marin County.

Central Marin Police **will issue a citation and tow this e-moto** if ridden on the street.

**IF THIS E-MOTORCYCLE IS PARKED ON CAMPUS
AGAIN, IT WILL BE LOCKED AND A PARENT /
GUARDIAN MAY BE REQUIRED TO PICK IT UP.**

PLEASE DO NOT RIDE IT TO SCHOOL.

SAFE SCHOOLS. SMART POLICIES.

Student Bicycles & E-Mobility

1. KNOW THE DIFFERENCE

PEDAL-ASSIST E-BIKE

(Class 1 & Class 3)



Motor assists only while you are pedaling.
Stops at 20 mph (Class 1) or 28 mph (Class 3).
Class 3 riders must be 16+ and wear a helmet.

THROTTLE E-BIKE

(Class 2)



Has a throttle that can move the bike without pedaling.
Stops at 20 mph.

E-MOTO (NOT AN E-BIKE)



Looks like a bike.
Acts like a motorcycle.
Often goes faster than 20 mph.
NOT street legal.
More dangerous.

2. THE PROBLEM



Most electric vehicles in schools are e-motos—not legal e-bikes.



Not easy for school staff to know which is which.



E-motos are not street legal.



E-motos are faster, heavier, and cause more serious injuries.

3. YOUR POLICY CHOICES

		MODEL A Conventional Bicycle Campus	MODEL B Pedal-Assist Campus (RECOMMENDED)	MODEL C Full Legal E-Bike Campus
	Conventional Bicycles	✓	✓	✓
	Class 1 E-Bike (Pedal Assist)	✗	✓	✓
	Class 3 E-Bike (Pedal Assist) 16+ with helmet	✗	✓ (16+)	✓ (16+)
	Class 2 E-Bike (Throttle)	✗	✗	✓
	E-MOTOS	✗	✗	✗



RECOMMENDED: MODEL B

The best balance of safety, active transportation, and practical enforcement.



Encourages
bicycling



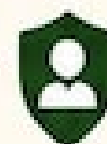
Allows
pedal-assist
e-bikes



Eliminates most
e-moto identification
problems



Easier for schools
to enforce



Strong
student
safety

Every district should adopt a written policy. | All three models prohibit e-motos.

BAY AREA

Kids on superfast e-bikes are alarming California. One Bay Area school district is cracking down

By Brooke Park, Staff Writer
Nov 30, 2025

Gift Article



HOSPITAL / SCHOOL / UNIVERSITY
Campus Safety

LATEST

After thoughtful consideration, we have made the difficult decision to indefinitely postpone the Campus Safety Magazine. Campus Safety Magazine community and thank all those who have contributed to the prog

NEWS

California School District Enforces E-Bike Ban Amid Rising Safety Concerns

The Menlo Park high-speed e-bike ban is part of a broader effort across California to address the safety risks of these vehicles.

Published: December 4, 2025 Author: Robin Hattersley



Portola Valley School District



CAMPBELL UNION HIGH
SCHOOL DISTRICT

Model A

Model B 
Recommended

Model C



Conventional bicycles



Class 1 e-bike
(pedal assist)



Class 2 e-bike
(throttle)



Class 3 e-bike



E-motos



E-Scooters

- License or permit required
- 15 mph speed limit
- Helmet required if under 18





people**for**bikes™

Who Is Responsible For The E-Moto Problem?

The E-moto problem is caused by E-moto manufacturers and sellers.



ROB BONTA

Attorney General

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Too Fast, Too Furious: Attorney General Bonta, California District Attorneys Issue Consumer Alert on E-Bike Safety, Legal Requirements

Press Release / *Too Fast, Too Furious: Attorney General Bonta, California Di...*



Tuesday, April 14, 2026

Contact: (916) 210-6000, agpressooffice@doj.ca.gov

If it's too fast, it's not an e-bike — you might be riding illegally



SONOMA COUNTY
DISTRICT ATTORNEY

Environmental and Consumer Law Division

“we protect . . . citizens from those who engage in fraudulent or unlawful business practices . . . and participate in multi-county task forces to accomplish these goals on a statewide basis.

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13 *Attorneys for Plaintiffs*

14 **SUPERIOR COURT OF THE STATE OF CALIFORNIA**
15 **COUNTY OF MARIN**

16 HILLARY WHITMAN and JOHN
17 HEDLUND, individually and on behalf of
18 all others similarly situated,

19 Plaintiffs,

20 v.

21 SUPER73, INC. and DOES 1–100,
22 inclusive,

23 Defendants.

Case No.: CV0004757

Amended Class Action Complaint

1. Unfair Competition Law
2. False Advertising Law
3. Consumer Legal Remedies
4. Breach of Implied Warranty (Song-Beverly Consumer Warranty Act)
5. Breach of Implied Warranty (Commercial Code)
6. Negligent Misrepresentation
7. Intentional Misrepresentation
8. Unjust Enrichment
9. Declaratory Relief

Jury Trial Demanded

[Unlimited Civil Jurisdiction]

ELECTRONICALLY FILED
Superior Court of California
County of Marin
02/10/2025

James M. Kim, Clerk of the Court
By: N. Johnson, Deputy



 **SUPER73**[®]

ELECTRIC BIKES

