

# E-Bikes VS E-Motos

The laws for legal e-bikes compared to illegal e-motos.

## Motor Wattage

750 watt maximum  
for class 1, 2 & 3



## Motor Wattage

Exceeds 750 watts,  
often 1000-6000watts

## Cranks and Pedals

All legal e-bikes must  
have operable cranks and  
pedals



## Cranks and Pedals

Foot pegs = e-moto  
but many have still  
have operable cranks

## Top Speed

Max speed:  
20mph for class 1 & 2  
28mph for class 3 (16+ yrs)



## Top Speed

More than 28mph  
often 40-60mph  
or more

## Speed settings

Set by factory,  
unable to exceed  
legal speeds



## Speed Settings

Users can change max  
speed settings through  
factory or 3<sup>rd</sup> party app or  
other modification

## License and Registration

No license,  
registration or  
insurance required



## License and Registration

Must have a driver's license,  
vehicle registration and  
insurance to be street legal

# Spot the E-Moto

● E-Moto Warning Sign

● E-Moto Attribute

Below are common examples of e-motos. E-Motos often have the features listed with yellow, but so can some legal e-bikes. The features in red are where they violate the California vehicle code's definition of an e-bike which makes them illegal for road use.



- Looks like a motorcycle
- Has a motorcycle style seat
- No seat height adjustment
- Has a 52v or greater battery
- Motor exceed 750 wattts
- Able to exceed 28 mph



- Looks like a motorcycle
- Has a motorcycle style seat
- No seat height adjustment
- Has a 52v or greater battery
- Has foot pegs instead of cranks
- Motor exceeds 750 watts
- Able to exceed 28 mph



- Has two motors
- Has a 52v or greater battery
- Motors exceeds 750 watts
- Able to exceed 28 mph
- Has a throttle and exceeds 20mph