

Examples of Common Electric Bicycles



Class 1 Electric Bicycle  
Common power range: 250-500 watts  
or .333 to .667 horsepower  
(Pictured bike: 250 watts)  
Maximum speed: 20 MPH



Class 2 Electric Bicycle  
Common power range: 250-750 watts  
or .333 to 1 horsepower  
(Pictured bike 500 watts)  
Maximum speed: 20 MPH



Class 3 Electric Bicycle  
Common power range: 250-650 watts  
or .333 to .8 horsepower  
(Pictured bike 250 watts)  
Maximum speed: 28 MPH

Examples of Common Vehicles  
That Are Not Electric Bicycles



Electric Scooter  
Common power range: 250-500 watts  
or .333 to .667 horsepower  
Maximum speed: 15-20 MPH  
Distinctions to an electric bicycle:

- No pedals for human propulsion
- No seat, must be stood upon
- Smaller wheels



Scooter or Moped  
Common power range: 3 (50cc) to 20  
horsepower (250cc)  
Maximum speed: 25-60 MPH  
Distinctions to an electric bicycle:

- No pedals for human propulsion
- More powerful motors
- Faster maximum speed
- Often combustion powered



Off-Road Motorcycle/Dirt Bike  
Common power range: 6 (125cc) to 60  
horsepower (450cc)  
Maximum speed: 45+ MPH  
Distinctions to an electric bicycle:

- No pedals for human propulsion
- Much more powerful motors
- Much faster maximum speeds
- Often combustion powered