

## Tennessee (TCA §§ 55-8-301, et seq.)

|  | Electric Bicycle   | Class 1 Electric Bicycle  | Class 2 Electric Bicycle   | Class 3 Electric Bicycle   |
|--|--|---|--|--|
| <b>Definition</b>  | Device with 2 or 3 wheels, any of which is 20" or more in diameter, fully operable pedals for human propulsion, and an electric motor of less than 750w. | Motor that provides assistance only when the rider is pedaling and ceases to provide assistance when bicycle reaches 20mph.   | Motor may be used to exclusively propel bicycle and is not capable of providing assistance when bicycle reaches 20mph. | Same as Class 1 that ceases to provide assistance at 28mph.  |
| <b>Age Restrictions</b>  |  | No  | No   | Over 14 years old allowed to operate on street or highway, but allowed to ride as passenger on Class 3 electric bicycle designed for passengers. |
| <b>Helmet Requirements</b>   |  | No  | No   | Yes (regardless of age). Must be CPSC or ASTM approved helmet, including required compliance label affixed to helmet.                            |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | No   |   |  |  |
| <b>Street Use</b>  |  | Yes, so long as area is authorized for bicycle travel, including bike lanes, portion of roadway designated for exclusive use by bicyclists, the shoulder or berm, and any path or trail intended for bicyclists. Local government or state agency may regulate or prohibit the operation of Class 1 or 2 electric bicycles on authorized paths or trails if necessary and in the interest of public safety. | Yes  | Yes  |
| <b>Sidewalk Use</b>  |  | No, unless authorized by local government or state agency.  | No, unless authorized by local government or state agency.   | No, unless authorized by local government or state agency.   |
| <b>Highway Use</b>   |  | Yes   | Yes  | Yes  |
| <b>Bike/pedestrian/ multi-use path</b>                                 |  | Yes   | Yes  | No, unless the path is within or adjacent to street or highway, or authorized by local government or state agency.                               |
| <b>Off-road/trail Use</b>  |  | Yes   | Yes  | No, unless the path is within or adjacent to street or highway, or   |

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|  |  |                          |                          | authorized by local government or state agency.  |
| <b>Equipment Requirements</b>          | Cannot be operated on street or highway unless the electric bicycle: (i) complies with applicable equipment and manufacturing requirements for electric bicycles (state and federal law); and (ii) electric motor is disengaged or ceases to function when the brakes are applied or motor switch is deactivated.  |                          |                          | Class 3 electric bicycles must also be equipped with speedometer when operated upon any street or highway. |
| <b>Labelling</b>                       | Yes. Effective January 1, 2017, every manufacturer or distributor of new electric bicycles intended for sale or distribution in state must permanently affix, in a prominent location, a label that contains: (i) the classification number; (ii) top assisted speed; (iii) and motor wattage. The print must be Arial font no less than 9-point type. Must relabel if speed capability changes. |                          |                          |  |
| <b>Changes, penalties and/or fines</b> | Yes. Failure to follow labelling requirements is violation of Tennessee Consumer Protection Act of 1977. Failure to change label on bicycle if speed capability is modified or electric bicycle is improperly equipped (e.g. helmet, speedometer) or operated on street or highway is a Class C misdemeanor. Fine of no more than \$50 for person under 14 operating Class 3 electric bicycle.   |                          |                          |  |

## California (AB 1096)

|  | Electric Bicycle  | Class 1 Electric Bicycle          | Class 2 Electric Bicycle          | Class 3 Electric Bicycle   |
|--|---|-----------------------------------|-----------------------------------|--|
| <b>Definition</b>  | Same as Utah.   | Same as Tennessee.                | Same as Tennessee.                | Same as Tennessee.   |
| <b>Age Restrictions</b>  |   | No                                | No                                | Same as Colorado.  |
| <b>Helmet Requirements</b>   |   | No                                | No                                | Similar to Tennessee, no label required but helmet must be properly fitted and fastened. |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | No  |                                   |                                   |  |
| <b>Street Use</b>  |   | Yes, unless otherwise prohibited. | Yes, unless otherwise prohibited. |  |
| <b>Sidewalk Use</b>  |   | Yes, unless otherwise prohibited. | Yes, unless otherwise prohibited. | Same as Tennessee.   |
| <b>Highway Use</b>   |   | Yes, unless otherwise prohibited. | Yes, unless otherwise prohibited. |  |
| <b>Bike/pedestrian/ multi-use path</b>                                 |   | Yes, unless otherwise prohibited. | Yes, unless otherwise prohibited. | Same as Tennessee.   |
| <b>Off-road/trail Use</b>  |   | Yes, unless otherwise prohibited. | Yes, unless otherwise prohibited. | Same as Tennessee.   |
| <b>Equipment Requirements</b>  | Same as Tennessee.  |                                   |                                   | Same as Utah.  |
| <b>Labelling</b>   | Same as Tennessee.  |                                   |                                   |  |
| <b>Changes, penalties and/or fines</b>                                 | Violation of Vehicle Code, including new electric bicycle requirements, is a crime. |                                   |                                   |  |

## Colorado (HB 17-1151)

|  | Electric Bicycle  | Class 1 Electric Bicycle | Class 2 Electric Bicycle | Class 3 Electric Bicycle   |
|--|---|--------------------------|--------------------------|--|
| <b>Definition</b>  | Same as Tennessee (referred to as "electrical assisted bicycle").   | Same as Tennessee.       | Same as Tennessee.       | Same as Tennessee.   |
| <b>Age Restrictions</b>  |   | No                       | No                       | Over 16 years old (similar restrictions to Tennessee).   |
| <b>Helmet Requirements</b>   |   | No                       | No                       | Yes, if operating or riding as passenger. Helmet must be properly secured with chin strap when bicycle is in motion. |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | No  |                          |                          |  |
| <b>Street Use</b>  |   | Yes                      | Yes                      | Yes  |
| <b>Sidewalk Use</b>  |   |                          |                          |  |
| <b>Highway Use</b>   |   | Yes                      | Yes                      | Yes  |
| <b>Bike/pedestrian/ multi-use path</b>                                 |   | Yes                      | Yes                      | No, unless the path is within or adjacent to street or highway or authorized by local government or state agency.    |
| <b>Off-road/trail Use</b>  |   |                          |                          |  |
| <b>Equipment Requirements</b>  | Same as Tennessee.  |                          |                          | Same as Tennessee.   |
| <b>Labelling</b>   | Same as Tennessee (effective January 1, 2018).  |                          |                          |  |
| <b>Changes, penalties and/or fines</b>                                 | Failure to label or change label on bicycle if speed capability is modified or electric bicycle is improperly equipped (e.g. no speedometer) is a Class B traffic infraction. |                          |                          |  |

## Arkansas (HB 2185)

|  | Electric Bicycle   | Class 1 Electric Bicycle                       | Class 2 Electric Bicycle                       | Class 3 Electric Bicycle  |
|--|--|--|--|---|
| <b>Definition</b>  | Bicycle equipped with fully operable pedals and an electric motor of less than 750w. "Motorized bicycles" are not electric bicycles (See Ark. Code § 27-20-101(3)) or motor vehicles (§ 27-51-1703). | Same as Tennessee.                             | Same as Tennessee.                             | Same as Tennessee.  |
| <b>Age Restrictions</b>  |  | No   | No   | Same as Colorado.   |
| <b>Helmet Requirements</b>   |  | No   | No   | Similar to Tennessee, except helmet required for anyone under 21 years old.                                       |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | No   |  |  |   |
| <b>Street Use</b>  |  |  |  |   |
| <b>Sidewalk Use</b>  |  |  |  |   |
| <b>Highway Use</b>   | Electric bicycles afforded the same rights and duties as bicycles, animals and others on a highway (Ark. Code § 27-49-111).  |  |  |   |
| <b>Bike/pedestrian/ multi-use path</b>                                 |  | Yes, but subject to change by local authority. | Yes, but subject to change by local authority. | No, unless the path is within or adjacent to street or highway or authorized by local government or state agency. |
| <b>Off-road/trail Use</b>  |  |  |  |   |
| <b>Equipment Requirements</b>  | Same as Tennessee, except Class 2 must disengage or cease to function when brakes are applied; motor on Class 1 and 3 must disengage or cease when the operator stops pedaling.                      |  |  |   |
| <b>Labelling</b>   | Same as Colorado.  |  |  |   |
| <b>Changes, penalties and/or fines</b>                                 | None   |  |  |   |

## Utah (Utah Code §§ 41-6a-102, 41-6a-1115.5, 41-6a-1505)

|  | Electric Bicycle   | Class 1 Electric Bicycle | Class 2 Electric Bicycle | Class 3 Electric Bicycle                       |
|--|--|--------------------------|--------------------------|--|
| <b>Definition</b>  | Same as Colorado. No wheel size, number of wheels or pedal installation requirements.  |                          |                          |  |
| <b>Age Restrictions</b>  | No one under 8 years old may operate any electric assisted bicycle ("EAB"). No one under 14 years old may operate EAB with electric motor engaged on any public property, highway, path, or sidewalk unless the individual is under the direct supervision of the individual's parent or guardian. Owner of EAB may not authorize or knowingly permit an individual to operate EAB in violation of these age restrictions. |                          |                          | No one under 16 years old may operate Class 3. |
| <b>Helmet Requirements</b>   | No   |                          |                          |  |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | No   |                          |                          |  |
| <b>Street Use</b>  |  |                          |                          |  |
| <b>Sidewalk Use</b>  |  |                          |                          |  |
| <b>Highway Use</b>   |  |                          |                          |  |
| <b>Bike/pedestrian/ multi-use path</b>                                 | Yes  |                          |                          |  |
| <b>Off-road/trail Use</b>  | Yes  |                          |                          |  |
| <b>Equipment Requirements</b>  |  | No                       | No                       | Speedometer must be equipped at all times.     |
| <b>Labelling</b>   | Same as Tennessee.   |                          |                          |  |
| <b>Changes, penalties and/or fines</b>                                 | None   |                          |                          |  |

## Illinois (Public Act 100-0209)

|  | Electric Bicycle  | Class 1 Electric Bicycle | Class 2 Electric Bicycle | Class 3 Electric Bicycle |
|--|---|--------------------------|--------------------------|--------------------------|
| <b>Definition</b>  | Same as Arkansas (referred to as "low-speed electric bicycle"). Not considered moped or motor driven cycle.                   | Same as Arkansas.        | Same as Arkansas.        | Same as Arkansas.        |
| <b>Age Restrictions</b>  |   | No                       | No                       | Same as Colorado.        |
| <b>Helmet Requirements</b>   | No  |                          |                          |                          |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | No, but local authorities and police have power to require registration and licensing of low-speed electric and gas bicycles. |                          |                          |                          |
| <b>Street Use</b>  |   | Yes                      | Yes                      | Yes                      |
| <b>Sidewalk Use</b>  |   | No                       | No                       | No                       |
| <b>Highway Use</b>   |   | Yes                      | Yes                      | Yes                      |
| <b>Bike/pedestrian/ multi-use path</b>                                 |   | Yes                      | Yes                      | Yes                      |
| <b>Off-road/trail Use</b>  |   |                          |                          |                          |
| <b>Equipment Requirements</b>  | Same as Tennessee.  |                          |                          |                          |
| <b>Labelling</b>   | Same as Colorado.   |                          |                          |                          |
| <b>Changes, penalties and/or fines</b>                                 | None  |                          |                          |                          |

## Michigan (HB 4781-83)

|  | Electric Bicycle   | Class 1 Electric Bicycle  | Class 2 Electric Bicycle   | Class 3 Electric Bicycle  |
|--|--|---|--|---|
| <b>Definition</b>  | Similar to Arkansas, includes reference to seat or saddle for use by the rider. Definition of "motor vehicle" does not include electric bicycles.                                    | Same as Tennessee.  | Similar to Tennessee, but must cease to function when the brakes are applied.  | Same as Tennessee.  |
| <b>Age Restrictions</b>  |  | No  | No   | No one under 14 years old may operate Class 3, may be passenger on Class 3 electric bicycle designed to accommodate passengers. |
| <b>Helmet Requirements</b>   |  | No  | No   | Similar to Tennessee, except helmet required for anyone under 18 years old.   |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | Electric bicycle riders are exempt from carrying no-fault accident insurance (HB 4783)   |   |  |   |
| <b>Street Use</b>  | Yes, electric bicycles have all the rights and duties applicable to motor vehicle driver.  |   |  |   |
| <b>Sidewalk Use</b>  |  |   |  |   |
| <b>Highway Use</b>   | Yes, on any part of a highway that is open to a bicycle, including, but not limited to exclusively designated bicycle lanes and the shoulder.  |   |  |   |
| <b>Bike/pedestrian/ multi-use path</b>                                 |  | Yes, on surfaces deemed "linear trail" unless otherwise regulated or prohibited by state or local authorities having jurisdiction over the trail.** | Yes, on surfaces deemed "linear trail" so long as approved by state or local authorities having jurisdiction over the trail.** | Yes, on surfaces deemed "linear trail" so long as approved by state or local authorities having jurisdiction over the trail.**  |
| <b>Off-road/trail Use</b>  | No, unless otherwise approved by local authority or agency having jurisdiction over the trail.**<br><br>** Prior to approval or disapproval of electric bicycle use, there must be a |   |  |   |

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|--|---|--------------------------|--------------------------|--------------------------|
|  | public hearing on the matter.                   |                          |                          |                          |
| <b>Equipment Requirements</b>          | None  |                          |                          |                          |
| <b>Labelling</b>                       | Same as Tennessee (effective January 28, 2018). |                          |                          |                          |
| <b>Changes, penalties and/or fines</b> | None  |                          |                          |                          |

## Washington (SB 6434)

|  | Electric Bicycle   | Class 1 Electric Bicycle  | Class 2 Electric Bicycle  | Class 3 Electric Bicycle   |
|--|--|---|---|--|
| <b>Definition</b>  | Same as Tennessee (no wheel size requirements; referred to as "electric-assisted bicycle").  | Same as Tennessee.  | Similar to Tennessee.   | Same as Tennessee.   |
| <b>Age Restrictions</b>  |  | No  | No  | Same as Utah.  |
| <b>Helmet Requirements</b>   | No   |   |   |  |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | No   |   |   |  |
| <b>Street Use</b>  | Yes, electric bicycles have all the rights and duties applicable to motor vehicle driver.  |   |   |  |
| <b>Sidewalk Use</b>  |  | Yes   | Yes   | No, unless there is no alternative for class 3 electric-assisted bicycles to travel over a sidewalk as part of a bicycle or pedestrian path. |
| <b>Highway Use</b>   | Same as Arkansas.  |   |   |  |
| <b>Bike/pedestrian/ multi-use path</b>                                 |  | Yes, on surfaces deemed "shared-use path" unless otherwise regulated or prohibited by state or local authorities. | Yes, on surfaces deemed "shared-use path" unless otherwise regulated or prohibited by state or local authorities. | No, unless the path is within or adjacent to street or highway or authorized by local government or state agency.                            |
| <b>Off-road/trail Use</b>  | Electric-assisted bicycles are not allowed on trails specifically designated as "nonmotorized" and that has a "natural surface tread that is made by clearing and grading the native soil with no added surfacing materials." Trail use may be allowed local authority or agency having jurisdiction over the trail. |   |   |  |
| <b>Equipment Requirements</b>  | Manufacturers or distributors of new electric-assisted bicycles must comply with equipment and manufacturing   |   |   |  |

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|--|--|--------------------------|--------------------------|--------------------------|
|  | requirements for bicycles adopted by the CPSC (see 16 CFR, Part 1512). |                          |                          |                          |
| <b>Labelling</b>                       | Same as Tennessee (effective July 1, 2018).                            |                          |                          |                          |
| <b>Changes, penalties and/or fines</b> | None   |                          |                          |                          |

## Arizona (HB 2652)

|  | Electric Bicycle  | Class 1 Electric Bicycle | Class 2 Electric Bicycle | Class 3 Electric Bicycle |
|--|---|--------------------------|--------------------------|--------------------------|
| <b>Definition</b>  | Same as Tennessee (no wheel size requirement). Not considered moped or motor driven cycle (similar to Illinois). Definition of "motor vehicle" does not include electric bicycles (same as Arkansas). | Same as Tennessee.       | Same as Tennessee.       | Same as Tennessee.       |
| <b>Age Restrictions</b>  |   | No                       | No                       | No                       |
| <b>Helmet Requirements</b>   |   | No                       | No                       | No                       |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | None  |                          |                          |                          |
| <b>Street Use</b>  | Yes, electric bicycles have all the rights and duties applicable to standard bicycle.   |                          |                          |                          |
| <b>Sidewalk Use</b>  | Yes, unless subject to regulation by local authorities.   |                          |                          |                          |
| <b>Highway Use</b>   | Yes, electric bicycles have all the rights and duties applicable to non-motorized bicycle.  |                          |                          |                          |
| <b>Bike/pedestrian/ multi-use path</b>                                 |   | Same as California.      | Same as California.      | Same as Tennessee.       |
| <b>Off-road/trail Use</b>  |   |                          |                          |                          |
| <b>Equipment Requirements</b>  | None  |                          |                          |                          |
| <b>Labelling</b>   | Same as Tennessee (effective January 1, 2019).  |                          |                          |                          |
| <b>Changes, penalties and/or fines</b>                                 | None  |                          |                          |                          |

## Connecticut (Public Act No. 18-165)

|  | Electric Bicycle  | Class 1 Electric Bicycle | Class 2 Electric Bicycle | Class 3 Electric Bicycle   |
|--|---|--------------------------|--------------------------|--|
| <b>Definition</b>  | Same as Arkansas.   | Same as Tennessee.       | Same as Michigan.        | Same as Tennessee.   |
| <b>Age Restrictions</b>  |   | No                       | No                       | Same as Utah, but person under 16 may be a passenger on bicycle equipped or designed to carry a passenger. |
| <b>Helmet Requirements</b>   | Riders and passengers must wear helmet approved by CPSC.                              |                          |                          |  |
| <b>Licensing, insurance, certificate of title and/ or registration</b> | None  |                          |                          |  |
| <b>Street Use</b>  | Same as Arizona.  |                          |                          |  |
| <b>Sidewalk Use</b>  | Same as Arizona.  |                          |                          |  |
| <b>Highway Use</b>   | Same as Arizona.  |                          |                          |  |
| <b>Bike/pedestrian/ multi-use path</b>                                 |   | Same as California.      | Same as California.      | No   |
| <b>Off-road/trail Use</b>  |   | Same as Washington.      | Same as Washington.      | No   |
| <b>Equipment Requirements</b>  | Same as Washington (re: CPSC compliance). Same as Arkansas (re: motor disengagement). |                          |                          | Same as Utah (re: speedometer).  |
| <b>Labelling</b>   | Same as Tennessee with no font requirements (effective January 1, 2019).              |                          |                          |  |
| <b>Changes, penalties and/or fines</b>                                 | None  |                          |                          |  |