

2021 Upper Valley E-Bike Lending Library Resource List

Details on e-bikes in the Upper Valley Ebike Library loan “fleet”

- **Turbo Como 3.0**
 - made by Specialized (for small to medium riders)
 - [specialized.com/us/en/turbo-como-3-0-650b--low-entry/p/170300](https://www.specialized.com/us/en/turbo-como-3-0-650b--low-entry/p/170300)
 - retail price = \$2950
 - available through local bike shops, including Omer + Bob’s
- **RadWagon 3**
 - Electric Cargo Bike made by Rad Power Bikes (for medium to large riders)
 - [radpowerbikes.com/products/radwagon-electric-cargo-bike](https://www.radpowerbikes.com/products/radwagon-electric-cargo-bike)
 - retail price = \$1499 but now upgraded to RadWagon 4 (\$1899)
 - [electrek.co/2020/05/21/rad-power-bikes-launches-new-radwagon-e-cargo-bike-full-of-new-surprises/](https://www.electrek.co/2020/05/21/rad-power-bikes-launches-new-radwagon-e-cargo-bike-full-of-new-surprises/)
 - available only online; with assembly available through Cowbell Mobile Bike Shop ([cowbellmobilebikeshop.com](https://www.cowbellmobilebikeshop.com)) or Omer + Bob’s
- **DIY Conversion Kit (2000 Specialized Hard Rock Mountain Bike)**
 - based on a 2000 Specialized Hard Rock Mountain Bike (for small to medium riders)
 - retail price (parts) = \$810 (\$683 for motor and battery, \$127 for new tires, brakes, and accessories)
- **DIY Conversion Kit (Finiss MX307 Mountain Bike)**
 - based on a Finiss MX307 Mountain Bike (for medium riders)
 - retail price (parts) = \$947 (\$864 for motor and battery, \$83 for new chain and accessories)
 - video workshop of converting this bike: [youtube.com/watch?v=iiNqrihZdRk](https://www.youtube.com/watch?v=iiNqrihZdRk)
- **Cowbell Mobile Bike Shop**
 - provided transport, repair and maintenance services for the Library’s e-bikes
 - [cowbellmobilebikeshop.com](https://www.cowbellmobilebikeshop.com)

Other ways to test e-bikes

- **Rental**
 - Omer and Bob’s, Lebanon, NH [omerandbobs.com/bikes/bike-rental/](https://www.omerandbobs.com/bikes/bike-rental/)
 - Pedego Electric Bikes, New London, NH [pedegoelectricbikes.com/dealers/new-london](https://www.pedegoelectricbikes.com/dealers/new-london)
 - Hanover Adventure Tours, Norwich, VT [hanoveradventuretours.com/e-bike-rental](https://www.hanoveradventuretours.com/e-bike-rental)
 - Vermont Bike & Brew, Thetford, VT [vtbikeandbrew.com/bike-rentals/](https://www.vtbikeandbrew.com/bike-rentals/)
- **Demo**
 - Drummond Custom Cycles, Enfield, NH [drummondcycles.com/our-services/demo/](https://www.drummondcycles.com/our-services/demo/)
 - Claremont Cycle Depot, Claremont Junction, NH [claremontcycle.com/](https://www.claremontcycle.com/)
 - Red Clover Bikes, Fairlee, VT www.redcloverbikes.com/

Other retailers for e-bikes not available locally

- **Electric Bikes of New England** (Londonderry, NH) <https://www.ebikesofne.com/default.asp>
Ask for the Upper Valley Electric Bike discount for participants in 2021 E-Bike Library
- **REI** (NH store in North Conway) rei.com/c/electric-bikes/
- **Propel Bikes** (Brooklyn, NY and Long Beach, CA) propelbikes.com/
- **Clever Cycles** (Portland, OR) clevercycles.com/bicycles/electric-bikes/

Incentives and supports for VT residents:

- **Green Mountain Power** offers a \$200 rebate to GMP customers as savings when they buy from a participating Vermont bike shop, for e-bikes with a pretax price of at least \$500. Customers provide the participating retailer their GMP account information. (Note: other Vermont utilities offer rebates also.)
greenmountainpower.com/rebates-programs/home-and-yard/electric-bike-rebate/
- **Vbike** offers free consultations for households to choose the e-bike, e-cargo bike, and/or e-assist system that best fits your needs, based on the terrain and distance you intend to ride, what you want to do with your bike, cargo hauling needs, and many other considerations. Email info@vbikesolutions.org; more info at vbikesolutions.org/free-bike-consultations.html

DIY Conversion Kits

- **When purchasing a DIY kit**, remember that the limit for on-road use is 750 watts in NH and 1000 watts in Vermont. In general, the smaller 250- to 350-watt kits are satisfactory for light riding within a neighborhood, and 500- to 750-watt kits are better for carrying loads, traversing hills, or covering longer distances. We don't recommend a larger motor in the front wheel hub due to steering effects and front fork strength issues; while it's a bit more work, installing at the rear hub is better. A mid motor in the bottom bracket has the advantage of the bike's gearing for better all-around performance. Kits are easily available online from bike businesses that sell kits or eBay/Amazon. Better quality kits often have UL, CE, TUV, or other ratings.
- **Reviews of conversion kits**
 - saferoad.org/best-electric-bike-conversion-kits/
 - electric-biking.com/best-ebike-conversion-kits/
 - outsidepursuits.com/best-electric-bike-conversion-kit/
 - byways.org/best-electric-bike-conversion-kits/

Internet Resources

- **"What Are Ebike Classes and What Do They Mean?"** article from *Wired*:
wired.com/story/guide-to-ebike-classes/
- **"Electric Assist Primer"** (plus other good information from Vbike, in Brattleboro, VT):
vbikesolutions.org/e-assist-primer.html
- **"Electric bikes: everything you need to know"** 9-minute video introduction:
youtube.com/watch?v=qu1LVroXsSc
- **"How to choose your first electric bicycle: an e-bike buying guide"** (including what to expect at various price points): electrek.co/2019/04/18/how-to-buy-first-electric-bicycle/
- **Cargo ebike** reviews: bicycling.com/bikes-gear/a25054215/best-cargo-bikes/
- **eBike overview**: <https://www.thetfordvt.gov/government/energy-committee/ebikes>
- **eBike FAQs**: <https://www.thetfordvt.gov/government/energy-committee/ebike-faqs>
- **eBike Ambassadors**: <https://www.thetfordvt.gov/government/energy-committee/ebike-ambassadors>