

Part	Name	Total Price	Quantity	Link	Requirement	Notes
BIKE						
Frame	SOMA WOLVERINE v3.0 DISC CX FRAME ONLY 58cm PEARL BLK	\$400.00	1	https://www.somafabshop.com/shop/product/soma-frame-wolverine-v3-0-pearl-black-2441	Required	
Fork	Wolverine Lugged QR CX Fork, 700c 1-1/8" Black	\$150.00	1		Required	
Handlebars	VO Montmartre Handlebar 22.2 dia	\$35.00	1		Required	*Converting cassette drive to single speed
Spokes	Alloy Spoke with Nipple Sapim 13g Spoke	\$54.00	36		Required	
Rear Spacer	Surly Single-Speed Kit, Spacers and Lockring	\$40.00	1		Required	
Fenders	Tanaka Fender 700c Matte Black 58mm	\$78.00	1	https://velo-orange.com/collections/fenders/products/vo-polished-52mm-zeppelin-fenders-700c	Fenders are only needed for rain.	
Crankset	43 tooth Single Speed Sugino Mighty Competition	\$150.00	1		Required	You can find a generic crankset for \$20.
Bottom Bracket	Shimano Bottom Bracket	\$30.00	1		Required	
Disc Brakes	Generic	\$120.00	2		Required	
Stem	Dimension 25.4 x 17 degree 100mm Silver 1-1/8" Threadless Stem	\$16.00	1		Required	
Tires	Panaracer GravelKing SK Tire 700 x 43C Folding Bead, Brown Sidewall	\$90.00	2		Required	These tubeless tires do not work with the Sun Rims and must be run with a tube.
Chain	Generic	\$15.00	1		Required	
Pedals	Mks Sylvan touring pedals /FIXED GEAR PEDALS 9/16" FIXIE BIKE	\$30.00	1	https://www.treefortbikes.com/MKS-Sylvan-Touring-Pedals-9-16-Toe-Clip-Compatible	Required	
Cables & Housing	Generic	\$20.00	N/A		Required	
Front Hub	Shimano Deore HB-M525A 36h Front 6-Bolt Disc Hub, Black	\$30.00	1		Required	
Seatpost	27.2mm	\$20.00	1		Required	
Seat	Generic	\$20.00	1		Required	
Headset	Cane Creek 10 Series Complete Headset, EC34/28.6mm Upper and EC34/30.0mm Lower	\$40.00	1		Required	
Tire Sealant	Finish Line Tubeless Tire Sealant, 8oz	\$15.00	1		Required	
Tire Valve	DT Swiss 63mm Tubeless Valve: Road, Narrow Base, Single	\$22.00	1		Required	
Rims	Sun 29 622x22 Rhyno Lite 36 NMsw w/EYE	\$70.00	2		Required	
Brake Levers	Dia Compe Inverse Brake Levers, 22.2 Brown	\$40.00	1		Required	
Bike Total		\$1485.00				
ELECTRONICS						
Motor	Bafang MG310 STD Electric Hub Motor	\$195.00	1	https://www.ebikes.ca/shop/electric-bicycle-parts/motors/mg310-std.html	Required	
Pedal Assist Sensor	Grinn PAS 24p	\$24.00	1	https://www.ebikes.ca/shop/electric-bicycle-parts/torque-sensors/pas-24p.html	Required	
Throttle	Grinn T-Lever Throttle	\$16.00	1	https://www.ebikes.ca/shop/electric-bicycle-parts/throttles/t-lever.html	Only need if you want a throttle.	
Motor Controller	Grinn Phaserunner	\$295.00	1	https://www.ebikes.ca/shop/electric-bicycle-parts/controllers/phaserunner-bk.html	Required	
Ebike Interface	CA3 DP	\$125.00	1	https://www.ebikes.ca/ca3-dp.html	Required	
Battery	Luna Mighty Mini 52v Battery	\$299.95	1	https://lunacycle.com/52v-mighty-mini-cube-samsung-ebike-battery-pack-30q-6ah-3-pounds/	Required	
Charger	Luna Charger	\$30.00	1		Required	
Trip Wire	Grin Trip Wire	\$40.00	1	https://www.ebikes.ca/shop/electric-bicycle-parts/brakes/tripwire-pull-long.html	Needed as a safety precaution.	
Throttle Cable	Grin Throttle Cable	\$10.00	1		Needed only if CA3 is at back of bike.	
Electronics Total		\$1034.95				
STORAGE						
Front Rack	Velo Orange Porteur Front Rack	\$165.00	1	https://velo-orange.com/collections/racks/products/vo-porteur-rack	Other options exist	
Rear Rack	Nitto Campee 33 Rear Rack	\$185.00	1		Other options exist	
Battery Storage	Military Issued 7.62 MM 30 Cal Ammo Can, 200 Cartridges, M13 Carton	\$20.00	1		Other options exist	
Storage Total		\$370.00				
LABOR						
Wheel Build		\$120.00	2		Required or DIY	
Bike Build	Basic Electric Build: Ground Up	\$350.00	1		Required or DIY	
Labor Total		\$470.00				
TOTAL						
Parts		\$2889.95				
Labor		\$470.00				
Total		\$3359.95				