<u>тле</u>	CrossCurrent X Step Through Specification Sheet
Image	
Key Features Overview	750 W Bafang Geared Hub Motor 28 MPH Top Speed / Class 3 20 MPH Top Speed Throttle Only Performance 52 Volts Advanced Battery System 15 Ah (995 Wh) Hyper Extended Range Battery 995 Wh Capacity 25 Amp Peak Controller (1,300 W Peak) Race Track Mode Setting Tektro Hydraulic Disk Brakes Hydraulic Disk Brakes LCD Advanced Matrix Display Schwalbe Marathon Plus Tires Torque and Cadence Pedal Sensor Thumb Throttle Included 9 Speed Cassette Transmission LED Front and Rear Lights Rear Rack and Fenders Included Ergonomic on Grips
Color Options	Beach Blue / Glossy Arctic White / Glossy Yellow / Glossy Black / Glossy Note: 3 Layers paint I Graphics placed under final clear coat
Frame Sizes	Seat Tube Length One Size Step-Through: 16.5" (41.9 cm)
Motor	750 Watts / Bafang 1,300 Watts peak power @ 25A 80 Nm Peak torque 5:1 Geared hub motor for higher torque output 290 RPM Super high speed winding Low-drag freewheeling clutch Shimano cassette standard

Battery Pack	52V / 15 Ah Hyper Extended Range Battery52 Volts system (14S6P Configuration)995 Wh CapacityLG Chem (Korea)45 Amp high rate BMS84 Cells / 18650 TypeCustom designed wide format inclosureLockable and removable from the bikeOn-bike and off-bike charging capable8 Amp charge capable3-Pin XLR Charge PortDual fuse setupIP 67 Illuminated power button3C Discharge rating600 Charge cycles to 60%
Controller	9 Transistor / 25 Amp Peak Sine wave FOC Customized tuning algorithm Thermally managed 52V LED light output Overboost function Fully potted resistant construction Cruise control function Walk function XT60 connectors Firmware upgradable
Performance	Default Configuration: Class 2 E-Bike 20mph (32 km/h) Class 3 Capable: 28 mph (45 km/h) Optional Configuration: Class 3 and Class 1 E-Bike Optional Configuration: Race Track Mode: 30 mph in Pedal Assist *Configurations can be adjusted from the LCD display
Throttle Control	Thumb Throttle (included)Right or left side mountableThrottle set to 20 mph per e-bike regulations
Pedal Sensors	Advanced Torque and Cadence Dual Sensor Torque Sensor (included) Rear Drop-out frame-mounted strain gauge 1,000 samples per second Cadence Sensor (included) 104 poles per crank revolution (maximum) Digitally filtered output Controller Software Athletically tuned assist software using the torque sensor, cadence sensor, speed measurement, voltage and controller temperature to modulate motor output. Intelligent pedal assist and throttle blending algorithms.
Display Interface	LCD Matrix Display Matrix Display with 120 x 64 Pixels Customized interface with 3-button layout 7 Levels assist: 0, ECO, 1, 2, 3, SPORT (28 mph), RACE (Unlimited) Basic and Advanced display modes Water resistant IP65 Backlit illuminated display 5 Pin quick-connect cable with brass lock-ring Push button start up

	Advanced Display Screen Mode
Advanced Display Screen Mode	Toggle Advanced Display Mode to see following real-time metrics:
	• Speed
	Trip Distance
	Volts
	Wh/mi Efficiency
	• Amps
	Watts
	Controller Temperature
	• Odometer
	Amp-Hours
	Watt-Hours
	Assist Level Setting
	*Hold Assist Up + Power button for 2 seconds to toggle Advanced Display Mode. **Hold Assist
	Down + Power Button for 2 seconds to reset Trip Counter

	Torque Sensor Deactivation Function
	Turn off the torque sensor signal. The pedal assist will only use the cadence sensor input.
Assist System's	Speed Limiter
Functions	Set the maximum speed limit of the throttle or pedal assist system.
	Assist Level Limiter
	Set the maximum assist level that can be selected: ECO, 1, 2, 3, Sport or Race
	Low Voltage Limiter
	Set the lowest voltage allowed by the electric drive system. Used to control how deeply the
	battery is allowed to discharge.
	Display Brightness Level
	Set the brightness level of the display
	Wheel Circumference Input
	Set the precise wheel circumference in mm.
	Race Track Mode
	Pedal assist is set to the most aggressive setting. The bike is not electronically speed limited.
	The top speed will be limited only by the power available to the motor. Use this setting on non-
	public roads only.
	Power Off Delay

Charger	 52V / 2 Amps Standard Charger (included) 2 Amps max charge rate 3 Pin XLR Connector UL Certified On-bike and off-bike charging 52V / 4 Amps Turbo Charger (optional) 4 Amps max charge rate 3 Pin XLR Connector UL Certified On-bike and off-bike charging 52V / 8 Amps Advanced Fast Charger (optional) Grin Tech / Cycle Satiator 8 Amp max charge rate 3 Pin XLR connector UL Certified So% Charge setting Storage charge setting Fully programmable Water resistant On-bike and off bike charging)	
	Riding Range Estimat	ion	15.0 Ah
	Volts (V)		51.8 V
	Watt-Hours (Wh)		
	Riding Style	Efficiency (Wh / mi)	Range (Miles)
Range	Economy Riding	10 Wh/mi	78 Miles
	Medium Speed Riding	15 Wh/mi	52 Miles
	Fast Speed Riding	20 Wh/mi	39 Miles
	Aggressive Riding	30 Wh/mi	26 Miles
	Race Track Mode (above 28 mph)	35 Wh/mi	22 Miles
	Factors negatively impacting efficiency and range: Frequent starts and stops, Hills, Throttle-only riding, Lower tire pressures, Headwinds Faster average speeds, Heavier Payloads, Increased aerodynamic drag		
Wire Harness	Wire harness 1-to-4 Quick Connect Cable Brass lock-ring Water resistant		
Frame	6061 Aluminum Heat Treated Frame Integrated & removable down-tube battery Custom designed hidden cable channel system CNC battery compartment Integrated motor controller heat sink Step-through frame design Water bottle cage mount Rear pannier rack mount Fender stay mounts Dual kickstand mounts 275 lbs (120 kg) total payload rating		

Rear Suspension	Hardtail Configuration
Wheels	Double Walled Aluminum Alloy Rim 36 Hole 19mm inner wheel width 12G / 13G brass grommets High pressure rim strip Flat Black
Spokes	Front: 12G Heavy Duty Stainless Black 243 mm Rear: 12G Heavy Duty Stainless Black 198 mm
Tires	Schwalbe Marathon Plus 700C x 45C (45-622) I 28" x 1.75" Achieves the highest level of puncture protection available E-Bike Ready (ECE-R75) : Approved and tested for E-bikes up to 50 km/h GreenGuard layer is 5 mm thick "Anti-Aging" sidewall Reflective sidewall strip for better visibility 40-70 PSI Recommended tire pressure Bead: Wire (non-folding) Tube: 700c x 45 I Schrader Valve
Brakes	Tektro HD-E350 Hydraulic Disc or Logan HD-E500 Rotors: Front: 180 mm Rear: 180 mm Hose: Front: 900 mm Rear: 1,850 mm Pad: B01S Style
Transmission	Shimano Altus 9 Speed 11-32T Cassette Trigger shifter
Bottom Bracket	Neco B910 Axle Length: 164 BB Length: 100 mm Taper: English Square
Chain Ring	Pro Wheel 52T Crank Length: Aluminum CNC I 170 mm Outside and Inside chain guide Inside chain catcher to eliminate chain drops
Chain	KMC K99 BR Rust Buster 9 Speed Compatible 128 Links
Pedals	Platform Pedals Wellgo B249DU Polymer bearing
Fork	Suntour NCX Suspension Fork Hydraulic lockout Adjustable spring rate 1-1/8 Threadless Fender stay mounts Standard quick release
Grips	Velo I Ergonomic lock-on grips I Clamp Diameter 22.2 mm
Handle Bar & Stem	Promax Low Rise 680 mm Handlebar Handle Bar: Promax Stem DA-247 80 mm +7 DEG rise 31.8 mm clamp Stem: Promax Handle Bar 680 mm width 31.8 mm
Seat Post & Seat	Selle Royal I Lookin I Gel Seat Post: Promax 31.6 mm seat post diameter Seat Post Clamp: Promax quick release seat post clamp
Mud Guard	Front and rear mud guards Included I Aluminum I Flat black

LED Head Light	Front LED Light (included) 1,050 Lum CREE 7 Watt 10-60V input Aluminum body design Powered by main battery Waterproof design IP69 Display controlled on/off function
LED Tail Light	Rear LED Light (included) Rear LED taillight Blinking and steady mode Includes certified reflector Batteries included
Mirrors	Optional
Horn	Bell (included)
Alarm	Optional
Rear Rack	Custom Designed Rack (included) Powder coated steel Pannier rail Light I Reflector holder 50 lb (25 kg) rack payload
Warranty	1 Year Limited Warranty
Weight Limits	Bike Weight Limits: 275 lbs (125 kg) total payload rating Rack Weight Limits: 50 lb (25 kg) rack payload
Vehicle Weight	E-Bike without battery: 55.5lbs (25.2 kg) Battery alone: 11.7 lbs (5.3 kg) Bike + Battery: 67.5 lbs (30.6 kg)
Package Dimensions	Box Dimensions: 61.4" x 13.0 " x 35.4" (156 cm x 33 cm x 90 cm) Package Weight: 45 kg (99 lbs)
Notes	Due to ongoing supply chain constraints in the e-bike market, components listed are subject to change without prior notification. All new components have been carefully tested and inspected to ensure they meet, and in most cases exceed the performance standard of the item we are replacing. CrossCurrent X Step Through Specification Sheet (R20210801-001)