

2019 **RipCurrent**



Incredible Performance at an Radical Price

MSRP \$1,599

(MSRP after Aug 23rd 2018: **\$1,799**)

750 Watt Bafang Geared Hub Motor (1,040 Watt Peak)

Class 2 Pedal Assist and Throttle (up to 20 mph)

52 Volt / 13.0 Ah Battery Pack

Torque and Cadence Pedal Sensor

180 mm Hydraulic Disc Brakes

LCD Advanced Matrix Display

Suspension Fork with Lock-Out

9 Speed Shimano Cassette Transmission

1,050 Lumen LED Front Light

Flat Black Frame Color (Size M or L)

Motor

750 Watts / Bafang Motor (8Fun)

1,036 Watt peak power (20 A @ 51.8 V)

Geared hub motor / 80 Nm peak torque

Super high speed winding fat bike specific motor

Low-drag freewheeling clutch

Shimano cassette standard for improved gear shifting

Motor Controller

9 Transistor / 20 Amp Peak

Sine wave technology

Customized tuning algorithm

Thermally managed

LED light output

Overboost function

Fully potted waterproof construction

Cruise control function

Water-resistant quick connectors

Walk function

XT60 future-proof discharge connectors

Firmware upgradable

Performance

User configurable to run in one of the following modes:

Classification	Power Limit	Pedal Assist	Throttle Operation
USA Class 2 / 750W (Default Configuration)	Set NDW to 4	20 mph (32 km/h)	20 mph (32 km/h)
USA Class 3 / 750W	Set NDW to 4	28 mph (45 km/h)	20 mph (32 km/h)
USA Class 1 / 750W	Set NDW to 4	20 mph (32 km/h)	Not allowed
Europe 250W / 25 km/h	Set NDW to 1	15 mph (25 km/h)	Not Allowed
Europe S-Pedelec / 45 km/h	Set NDW to 4	28 mph (45 km/h)	Not Allowed
Off-Road Mode	Set NDW to 4	~ 31 mph (50 km/h) @52 V	20 mph (32 km/h)

Default configuration is Class 2 (20 mph and 750 Watts): Road and bike path legal in most states.
Check with local regulations before operating your e-bike on public roads or paths.

Riding Range

Riding Range with included 52V / 13Ah battery (673 Wh)			
Riding Style	Wh / mi	Range Miles	Range km
Economy Riding	10 wh/mi	67 Miles	112 km
Medium Speed Riding	15 wh/mi	45 Miles	75 km
Fast Speed Riding	20 wh/mi	34 Miles	56 km
Aggressive Riding	30 wh/mi	22 Miles	37 km

Throttle Control

Thumb Throttle (included)

Right or left side mountable

Throttle can be removed if desired (or required)

Throttle limited to 20 mph in accordance with regulations

Pedal Sensors

Advanced Dual Input Pedal Sensor

Torque sensor (included)

Rear Drop-out frame-mounted strain gauge
1,000 samples per second

Cadence sensor (included)

104 magnetic poles per crank revolution
Digitally filtered output

Controller Software

Athletically tuned assist software using the torque sensor, cadence sensor, speed measurement, voltage and controller temperature measurements to modulate motor output. Seamless pedal assist and throttle blending algorithms.

Wire Harness

1-to-4 Quick Connect Cable

Brass lock-ring
Water resistant
Impossible to connect incorrectly

Display Interface

LCD Advanced Matrix Display (included)

Matrix display with 120 x 64 Pixels
Customized interface with 3-button layout
5 Levels of assist: ECO, 1, 2, 3, SPORT
Basic and advanced display modes
Water resistant IP65
Backlit illuminated display
5 Pin quick-connect cable with brass lock-ring

Electric Assist Functions

Additional Functions

Throttle-Assist Boost[®] (TAB)

Instantly add up to 1,000 Watts (20 Amps) of boost when pedaling and simultaneously holding down the throttle. TAB available in any assist setting from 0 mph up to 20 mph.

Active Cruise Control Function

Locks in any speed below 20 mph. Speed will be maintained without pedaling or using the throttle until: the brake is applied, pushing any button or giving additional throttle input. Pedaling can increase the speed, but the e-bike will return to the pre-set speed if pedaling stops.

Walk Function

Push-button throttle limited to 6 kmh to assist when pushing or walking the bike

LED Headlight Control

Turn on or off the LED headlight from the display console

Display Backlight Control

Turn on the display's backlight to see the screen at night

Torque Sensor Deactivation Function

Turn off the torque sensor signal.

The pedal assist will only use the cadence sensor input for boost level calculations

Speed Limiter

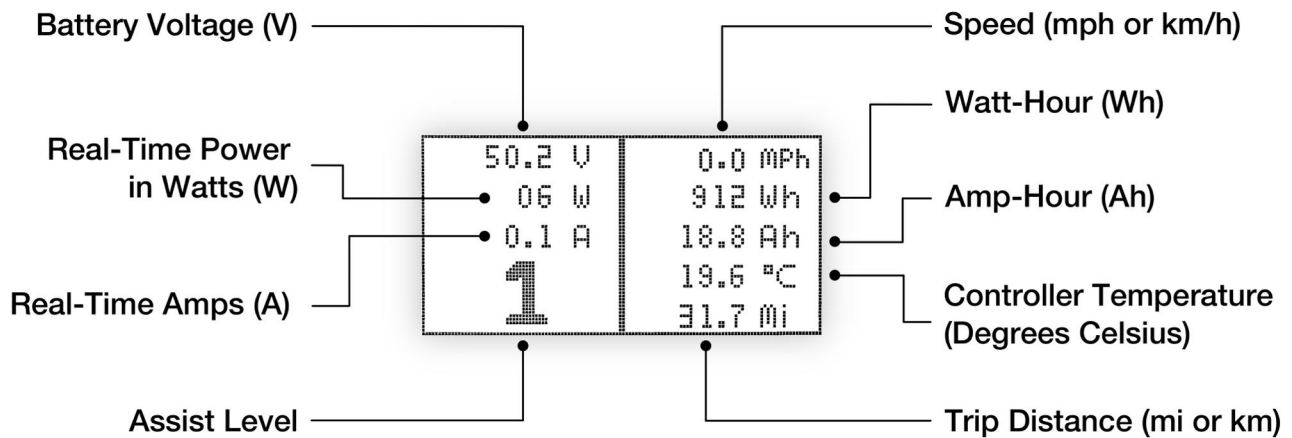
Set the maximum speed limit of the throttle or pedal assist system

Assist Level Limiter

Limit the maximum assist level to 500, 1000, or 1500 Watts

Advanced Display Mode

Toggle Advanced Display Mode to see following real-time metrics:



Wheels

Aluminum Alloy Rim

26" x 4.0"

36 hole

Flat black

Tires

Kenda Krusade Sport

26 x 4.0 (45-622)

60 TPI Casing

Wire Bead

5-30 PSI

Spokes

Heavy Duty Stainless Steel

Front: 13G / Black / 245 mm

Rear: 12G / Black / 199 mm

Brakes

Hydraulic Disc / Star-Union 150PYD

Integrated motor inhibitor switch

Adjustable reach

Rear exit brake pad for easy serviceability

Rotors: Front: 180 mm / Rear: 180 mm

Pad: High performance metal ceramic compound / BB7 Compatible pad

Transmission

Shimano Altus 9 speed / Trigger Shifter

Cassette: 11-32T Trigger shifter

Front Chainring: Pro Wheel 52T Aluminum CNC / 170 mm / Double-sided chain guide

Chain

KMC K99 Rust Buster

9-Speed compatible

128 Links

Fork

Suspension Fork

130 mm travel
135 mm dropout spacing
Adjustable dampening
Hydraulic lockout
1-1/8 threadless
Standard quick release system

Grips

Ergonomic Lock-On Grips / Velo

Handle Bar & Stem

Stem: Promax Stem DA-247 / 80 mm +7 / 31.8 mm clamp

Handle Bar: 5" Custom Comfort Handle Bar / 680 mm width / 31.8 mm

Seat Post & Seat

Seat: Selle / City / Wide

Seat Post: Promax 27.2 mm seat post

Seat Post Clamp: Promax quick release seat post clamp

LED Head Light

Front LED Light (included)

1,050 Lum

10 Watt LED

8-90V wide voltage input

Mixed spot/wide angle lens

Aluminum body design for improved heat dissipation

Powered by the main battery

Waterproof IP69 design

Handle bar display controlled on/off function

LED Tail Light

Rear LED Light (included)

Blinking and steady mode

Includes reflector

USB Rechargeable

Pedals

Platform Pedals

Wellgo B249DU

Polymer bearing

Weight

Total: 62.0 lbs (28.0 kg) with rack and fenders

Bike: 51.4 lbs (23.3 kg)

Battery: 10.6 lbs (4.8 kg)

Bike Weight Limits: 275 lbs (135 kg) total payload rating

Rack Weight Limits: 50 lbs (25 kg) rack payload

Warranty

1 Year coverage on electrical components

2 Year coverage on mechanical components

Lifetime coverage on frame

Packing Dimensions

71" x 12" x 33" (L x W x H)

Optimized for easy setup

Front wheel and pedals removed

Handle bars removed

Includes all necessary assembly tools

Bike + Box: 78 lbs (35.5 kg)
