



THE ROYAL SPECIFICATIONS

FOLDING STEP THROUGH FAT TIRE BIKE

FRAMESET

FRAME Hydroformed 6061 Alloy folding fat 20 frame. Integrated rear rack, fender mounts, internal cable routing, Electronic Access Port. Removable battery with security lock.

COLOR Gloss Jet Black or Kandy Apple Red
FORK MOZO M suspension

DRIVETRAIN

SHIFTERS SHIMANO 8-speed trigger shift
CHAINRINGS 52T
CHAIN KMC Z8
REAR DERAILLEUR SHIMANO Altus 8-speed
CASSETTE SHIMANO 8-speed 11-34T

COMPONENTS

HANDLEBAR Alloy flat bar
GRIPS VELO non-slip, shock-absorbing, kraton gel (120mm)
STEM iGO adjustable height folding stem
SEAT POST PROMAX alloy 27.2mm suspension with quick release (350mm)
SADDLE SELLE ROYAL with Royal Gel comfort
BRAKE LEVERS E-brake levers
BRAKE CALIPERS TEKTRO ARIES mechanical disc
ROTOR 180mm

WHEELS

TIRES CHAOYANG Big Daddy 20"x4", 5 to 30 psi
RIMS Alloy fat 20"

ACCESSORIES

INCLUDED Front & Rear LED Lights (powered by main battery)
Front & Rear Fenders
Rear Integrated Cargo Rack
Kickstand
Wellgo Folding Pedals
In Frame Cable Routing
Tool Kit
Battery Charger

NOTES

BIKE WEIGHT 23.4kg (51.6 lbs)
BATTERY WEIGHT 3.8kg (8.4 lbs)
WEIGHT CAPACITY 114 kg (250 lbs)
SIZE WHEN FOLDED 50cm (W) x 90cm (L) x 75cm (H)

ELECTRIC TECHNOLOGY

iGO CONNECT Mobile App (Android and iOS)
Customizable profile and performance settings with full diagnostic monitoring and alerts - Bluetooth connectivity

DISPLAY UNIT TFT Color Backlit, Main Power, Vibration Feedback Buttons, Diagnostic, Battery Status, Light Switch, Pedal Assist Level Selector, Walk Assist Control, Speedometer/Max Speed/Avg Speed, Odometer, Trip Timer

MOTOR BAFANG 500W geared brushless fat tire rear hub motor (750W US)

TORQUE up to 80Nm

CONTROLLER 48V high power density sine wave, MOSFET based up to 70 Amp, Bluetooth

BATTERY TYPE 2600mAh LG removable lithium battery with security lock

VOLTAGE 48V

BATTERY Ah 13Ah

BATTERY CAPACITY 624Wh

RANGE 60km (37mi) *

POWER ASSIST 9 Levels of power assisted pedaling ***

THROTTLE Any time on demand thumb throttle

SENSOR Electronic 32 pulse Cadence Sensor integrated into the bottom bracket

CLASS Class2 / Class3 capable where permitted max speed 45km/h (28mph) **

BATTERY CHARGER 110/220V Smart charger, LED status, UL, 2A

*Actual range may vary depending on Ah of battery rider weight and other riding conditions.

**electric bike class regulation:

Class 1 - Pedal assist motor with maximum assisted speed 32km/h (20mph)

Class 2 - Pedal assist motor and throttle with maximum assisted speed 32km/h (20mph)

Class 3 - Throttle and/or pedal assist motor with maximum assisted speed 45km/h (28mph)

all classes allow a maximum motor power of 750W(US) or 500W(Canada)

This bike is sold factory configured to CLASS 2 specifications.
User configurable to CLASS 3

***Multiple rider profiles available. Always check the specific state/provincial laws for use of class 3 electric bikes and only engage Off Road Mode where this is permitted.

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GEOMETRY (in mm unless stated)

FRAME SIZE		43cm (17")
A	SEAT HEIGHT (MIN/MAX)	81.2cm / 109.2cm (32° / 43°)
B	SEAT TUBE LENGTH	420
C	SEAT TUBE ANGLE	75.2°
D	EFFECTIVE TOP TUBE LENGTH	635
E	REACH	470
F	HEAD TUBE LENGTH	120
G	HEAD TUBE ANGLE	69°
H	BOTTOM BRACKET HEIGHT	325
I	BOTTOM BRACKET DROP	30.5
J	CHAINSTAY LENGTH	485
K	CRANK LENGTH	170
L	WHEELBASE	1186

