

DISCOVERY

YORKVILLE

LS



Engaging and commanding ride quality for active transport and leisure.

HYBRID URBAN/LEISURE

DISCOVERY YORKVILLE LS1



ACCESSIBLE AND INTUITIVE ENHANCED RIDING CAPABILITY

Hybrid eBike with powerful, dynamic motor system delivering the advantages of electric assist to seamlessly enhance the traditional riding experience. Assist settings to satisfy seasoned riders, enhanced safety features and serviceability built into the fabric of the bike for durability and peace of mind.

POWER ON DEMAND THROTTLE



5 PEDAL ASSIST SYSTEM



Configurable to **CLASS 1**
CLASS 3 capable where permitted **

MOTOR & THROTTLE

City tuned 80Nm/350W mid motor with Torque/Cadence sensing and throttle delivers a powerful and intuitive natural riding experience.

POWER AND RANGE

540Wh battery providing up to 90km (56mi)* range. Ready everyday with plug and play charging and all day range.

PEDAL ASSIST SYSTEM

5 Levels of power assisted pedaling.



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FRAMESET

FRAME	Hydroformed Alloy, 27.5 Hybrid frame, internal cable routing head tube ported, removable down tube battery with security lock, accessory ready rear cargo rack
COLOR	Platinum
FORK	WB suspension, 100mm travel, lockout, quick release

DRIVETRAIN

SHIFTERS	SHIMANO ALTUS 8-speed Rapidfire Plus
CHAINRINGS	42T with Narrow Wide teeth
CHAIN	KMC E9-S
REAR DERAILLEUR	SHIMANO ACERA 8-speed
CASSETTE	SHIMANO ACERA 8-speed 11-32T

COMPONENTS

HANDLEBAR	640mm, 45mm rise, 31.8mm dia.
GRIPS	VELO, Ergonomic, 135mm
STEM	80mm with 7 degree rise
SEAT POST	31.6mm (350mm)
SADDLE	SELLE ROYAL Rio
BRAKE LEVERS	TEKTRO HDE350 with power cut off switch
BRAKE CALIPERS	TEKTRO HDE350 Hydraulic Disc
ROTORS	180mm

WHEELS

TIRES	WTB GROOV-E 27.5"x2.4", 60tpi
RIMS	27.5", Dual Wall Alloy, black

ELECTRIC TECHNOLOGY

DISPLAY UNIT	2" TFT Display LCD display, Main power on/off, Front & Rear lights on/off, Backlit for night viewing, Battery Level indicator, PAS Level, Current, Average, Maximum speed, Walk Mode, Total distance odometer, Trip odometer, Trip Timer, Error code diagnostics
MOTOR	iGO DRIVE LS 350W mid motor, 36V
TORQUE	up to 80Nm
BATTERY	5000mAh SAMSUNG 21700 cell, removable with security lock (36V 15Ah 540Wh)
RANGE	90km (56mi) *
PEDAL ASSIST SYSTEM	5 Levels of power assisted pedaling
THROTTLE	On-Demand, Removable
SENSOR	Internal Torque, Cadence, Speed
CLASS	Class2 / Class1 optional / Class3 capable where permitted **

ACCESSORIES INCLUDED

Front LED light XC-259A (powered by main battery), Rear LED SPANNINGA LED Commuter Glow XE with brake light Integrated into rear rack (powered by main battery), Front & Rear Fenders, Rear Cargo Rack Accessory ready, Integrated Chainring Guard, Water Bottle Bosses on Seat Tube, Kickstand, Wellgo Pedals, Bell, Tool Kit, Battery Charger

NOTES

BIKE WEIGHT (without battery)	25.5kg (56.2 lbs)	WEIGHT CAPACITY	125kg (275 lbs)
BATTERY WEIGHT	3.5kg (7.7 lbs)		



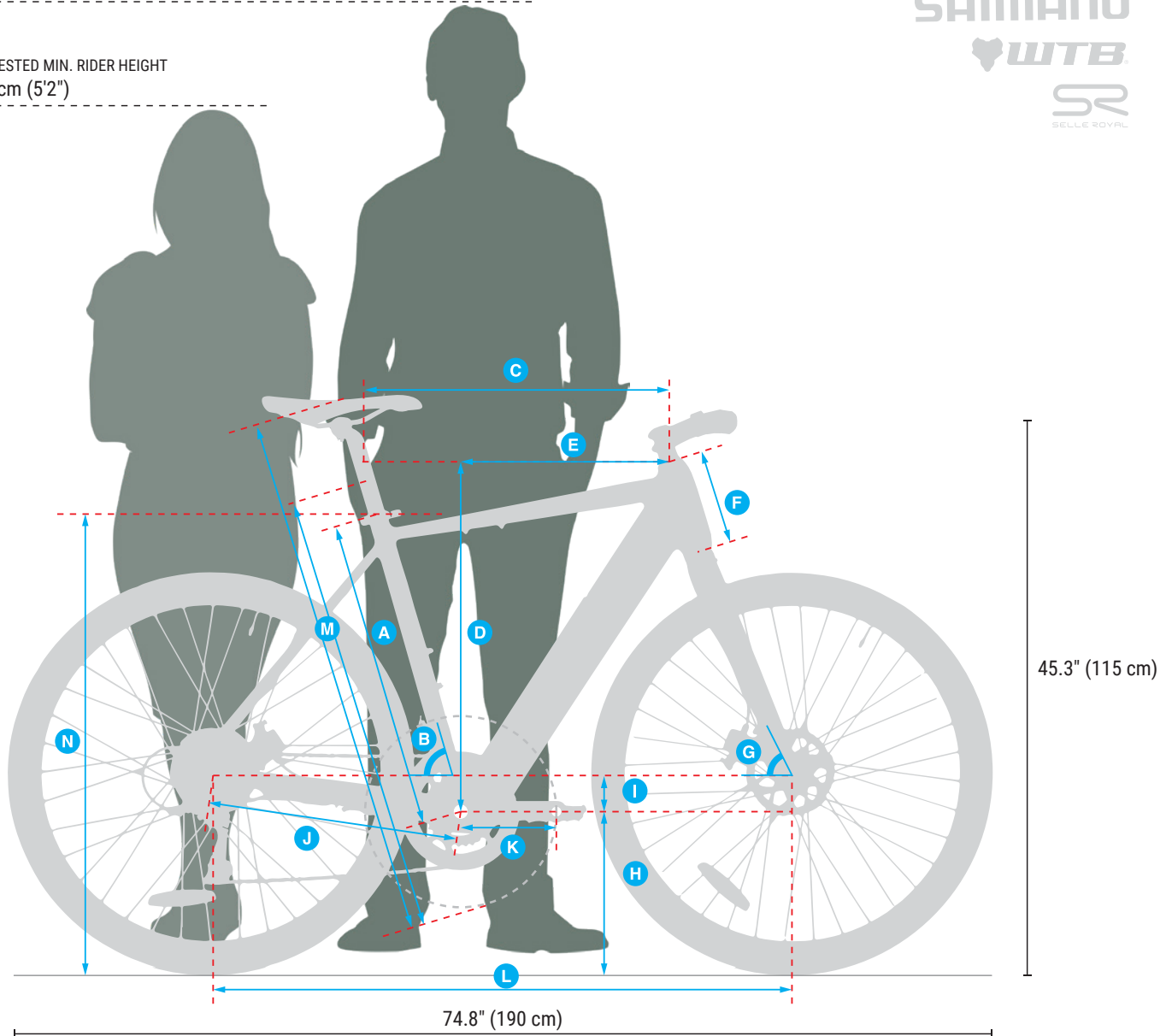
*Actual range may vary depending on Ah of battery rider weight and other riding conditions.
Specifications subject to change

DISCOVERY YORKVILLE LS1 GEOMETRY



SUGGESTED MAX. RIDER HEIGHT
190 cm (6'2")

SUGGESTED MIN. RIDER HEIGHT
157 cm (5'2")



FRAME SIZE	48cm (19")	frame accommodates a rider from 5'2" to over 6'2"	
A SEAT TUBE LENGTH	480mm	H BOTTOM BRACKET HEIGHT	280mm
B SEAT TUBE ANGLE	73.4°	I BOTTOM BRACKET DROP	72mm
C EFFECTIVE TOP TUBE LENGTH	600mm	J CHAINSTAY LENGTH	470mm
D STACK	675mm	K CRANK LENGTH	170mm
E REACH	430mm	L WHEELBASE	1148mm
F HEAD TUBE LENGTH	150mm	M SADDLE HEIGHT (MIN/MAX)	77cm / 97cm (30.3" / 38.2")
G HEAD TUBE ANGLE	71°	N STAND OVER HEIGHT	73cm (28.7")