

MSRP: \$3299



Onyx

SPECIFICATIONS

Suggested Use:	Road, Urban Bike Path
Size	S 53cm, M 55cm, L 58cm
Frame	Yamaha hydroformed and butted aluminum.
Fork	Aerodynamic alloy. 12mm thru-axle. Fender compatible. Internal hose routing. 1 1/8in dia.
Battery	Side exit Yamaha 500Wh 36V Lithium-Ion
Motor	PWSeries SE 3-bolt mount
Crankarm	Square taper. 165mm (53cm). 170mm (55cm and 58cm)
Chainring(s)	50/34T E-Ring 110 BCD
Shifters	Shimano Tiagra Hydraulic Disc Brake Dual Control Lever 2x10 (ST-RS405)
Front Derailleur	Shimano Tiagra (2 x 10) Braze-on
Rear Derailleur	Shimano Tiagra RD-4700 GS 10-Speed
Brakes/Rotors	Shimano Tiagra BR-RS405 Hydraulic Disc 160mm SM-RT68 Centerlock Rotor
Cassette	Shimano 11/32T
Chain	KMC X10e
Hubs	Front: 12 x 100 TA. Rear: 12 x 142, Shimano freehub, Integrated speed sensor, Centerlock
Rims	700c Aero alloy rim. 27mm depth. Rim width: 22.2mm (OUTSIDE) 17MM (INSIDE)
Spokes	Spokes SUS304
Spoke Nipples	Brass
Tires/Tubes	CST XPEDIUM AMPERO (700 x 35c). Level-5 flat protection. Reflect sidewall. PV Tube
Headset	Integrated headset with 30mm headset spacers
Stem	4-bolt faceplate. 31.8 diameter. 80mm length (53cm, 55cm). 100mm length (58cm)
Handlebar	Alloy drop bar. 31.8mm diameter. 40cm width (53cm). 42cm (55cm and 58cm)
Grips/Tape	Padded cork tape
Seatpost/Saddle Clamp	Alloy 30.9 x 260mm(S), 315mm(M), 350mm(L) with 2-bolt adjustable tilt saddle rail clamp
Seatpost Collar	Alloy 2-bolt 35.0mm
Saddle	Yamaha Road Plus Cro-Mo Rail

FEATURES

- Fender/Rack Compatible
- Triple Sensor System
- Rear hub speed sensor
- Ergonomic control switch
- 4 Assist modes: ECO+, ECO, STD, HIGH
- Side-exiting battery with anti-vibration dock
- Rated power: 250W (Nominal), 500W (Max)
- Max torque support: 70 Nm
- Max cadence support: 110 rpm
- Max speed support: 20 mph
- Internal cable/housing routing
- Yamaha LED headlight
- Yamaha keys
- Yamaha battery charger
- Bell
- 3-Year Warranty: Frame, Motor, Battery*
- Component manufacturer's warranty by Yamaha
- *full details on warranty sheet

FRAME GEOMETRY

	SMALL	MEDIUM	LARGE
Top tube (effective)	530	550	580
Reach length	373	392	405
Stack height	548	555	572
Stand over height	725	751	797
Head tube length	130	135	150
Head tube angle	71	72	72.5
Seat tube angle	74	72	73
Seat tube length	430	463	530
Bottom bracket drop	61	61	61
Wheelbase	1039	1051	1064
Rear center	455	455	455