

TURBO VADO S IGH



Smoke / Black Reflective

Consider Vado your high-performance transportation bike, getting you where you’re going with an unmatched combination of speed, reliability, and confidence. Whether you load it up with your stuff, or jump on and go, commute to work, or ride to the gym, Vado’s full power and huge range will get you from ‘point A’ to ‘point B’ ASAP.

- Turbo Full Power 2.2 S motor and 710Wh battery offer an unparalleled riding experience, providing a smooth, seamless, and shockingly quiet amplification of your efforts, up to 28 mph. The integrated controller responds to your pedal inputs resulting in intuitive amplification of your efforts with an incredibly natural feel.
- MasterMind and Mission Control - The MasterMind display reveals all relevant info about your ride, allows real-time tuning of support levels, and enables over-the-air updates so that your bike gets better over time. MasterMind seamlessly integrates with the Mission Control app for range optimization tools, advanced tuning, on-ride diagnostics, and more.
- The enviolo AUTOMATiQ Internal Gear Hub (IGH) stepless shifting technology automatically shifts gears based on a rider’s pedal pace, taking changes in the surroundings into account. By selecting a preferred cadence or pedal pace, it allows riders to “set it and forget it”, adding an extra layer of safety and comfort for riders.
- Proven Smooth Efficiency - We designed a custom testing mechanism to analyze bumps at even the smallest frequency to increase comfort and vision. That precision, paired with a suspended seatpost, higher volume tires, and an 80 mm suspension fork, will flatten roads before your eyes.
- Turbo System Lock - Use the Mission Control app to disable your bike’s motor and activate the motion sensor alarm. Once locked, the motor cannot be enabled again except by the owner.
- Garmin Radar - An integrated Garmin Radar sensor lets you know when traffic is coming up behind you. Garmin’s Radar technology can detect cars up to 140 meters away. MasterMind will give riders a visual, audible, and haptic alert of an approaching vehicle’s relative distance and rate of speed.
- Fully Integrated Removable and Lockable Downtube Battery - Easy to charge, easy to secure.
- Equipped with DRYTECH Fenders, LED front and rear lights, and 27kg capacity rear HD Rack. The rear rack is compatible with child bike seats, and the bike is also rated to pull a thru-axle trailer.

TURBO VADO S IGH	S	M	L	XL
Front Center (mm)	699	724	750	777
Bike Standover Height (mm)	735	771	771	805
Trail (mm)	96	96	96	96
Fork Length (full) (mm)	480	480	480	480
Fork Rake/Offset (mm)	44	44	44	44
Headtube Angle (degrees)	68	68	68	68
Toptube Length (horizontal) (mm)	585	615	645	675
Reach (mm)	423	444	464	481
Seat Tube Angle (Virtual) (degrees)	75.5	75	74.5	74
Stack (mm)	625	639	652	676
Headtube Length (mm)	135	150	165	190
BB Drop (mm)	70	70	70	70
Chainstay Length (mm)	470	470	470	470
Wheelbase (mm)	1160	1186	1212	1239
Seat Tube Length (mm)	400	450	460	500
BB Height (mm)	285	285	285	285
Crank Length (mm)	170	170	170	170
Handlebar Width (mm)	680	680	680	680
Stem Length (mm)	75	75	75	75
Saddle Width (mm)	155	155	155	155
Seatpost Length (mm)	375	375	375	375

SPECS	Specifications subject to change without notice.
FRAME	E5 Aluminum, bottom bracket motor mount, fully integrated & lockable downtube battery, internal cable routing, lock and front rack mount, sliding dropout
FORK	Rockshox Recon Silver RL, 80mm travel, Motion-Control, fender-mounts
STEM	Specialized Stealth Stem, alloy, 14 deg, 31.8mm, integrated TCD mount
HANDLEBARS	Specialized, alloy, 15-degree backsweep, 46mm rise, 31.8mm
GRIPS	Ergon GA30
GRIPS	Ergon, GA30
FRONT BRAKE	TRP Zurich, hydraulic 4-piston, integrated brake light sensor, 180mm rotor
REAR BRAKE	TRP Zurich, hydraulic 4-piston, integrated brake light sensor, 180mm rotor
Internal Gear Hub	enviolo AUTOMATiQ Pro shifting interface
CASSETTE	Gates Carbon Drive CDX 22t sprocket, silver
CHAIN	Gates Carbon Drive CDX 122t belt, black
CRANKSET	Custom alloy forged crankarms
CHAINRINGS	Gates Carbon Drive CDX 50T chainring, black
PEDALS	Specialized Commuter w/ grip tape & reflectors
RIMS	650b disc, double-wall alloy, pinned, 32h
FRONT HUB	Specialized alloy front hub disc, sealed cartridge bearings, 6-bolt, 15x110mm thru-axle, 32h
REAR HUB	enviolo Heavy Duty, 380% range, 6-bolt, 10x135mm, 32h
SPOKES	DT Swiss Industry
FRONT TIRE	Pathfinder Sport Reflect, 650Bx2.3
REAR TIRE	Pathfinder Sport Reflect, 650Bx2.3
INNER TUBES	Standard 40mm SV 650Bx1.75-2.4
SADDLE	Bridge, Cr-Mo rails, 155mm
SEATPOST	Cane Creek Tudbuster ST, 375mm length, 30.9mm, 34.9mm sleeve
SEAT BINDER	Specialized Alloy, 34.9mm
Radar	GARMIN RADAR
MOTOR	Specialized 2.2 S, 90Nm torque, custom tuned motor, 45kph/L1Eb, 250W nominal
UI/REMOTE	MasterMind TCD, w/handlebar remote, built-in anti-theft feature, Bluetooth® connectivity, customizable display pages
BATTERY	Specialized U2-710, alloy casing, state of charge display, 710Wh
CHARGER	Custom charger, 42V4A w/ Rosenberger plug, 100-240V
SWAT	Handlebar rear view mirror, aluminum
HEADLIGHT	Supernova M99 PRO, custom, Hi/Lo beam
TAILLIGHT	Supernova M99, custom, Brake- /Licenseplate light
CHAINCASE	Custom chaincover
KICKSTAND	Specialized kickstand, 40mm mount
RACK	Specialized rack, MIK HD interface, built-in pannier mounts, 27kg max load
FENDERS	Specialized DRYTECH fenders, 65mm width, aluminum fenderstay
BIKE LOCK	Turbo System Lock
BELL	Supernova Horn
Weight	28.09 kg (61 lb, 14.8 oz)
Weight Size	MD

PART NO.	DESCRIPTION	COLOR	SIZE
95022-2202	VADO S IGH NB SMK/BLKREFL S	Smoke / Black Reflective	S
95022-2203			M
95022-2204			L
95022-2205			XL

TURBO VADO S IGH STEP-THROUGH



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TURBO VADO S IGH STEP-THROUGH	S	M	L	XL
Reach (mm)	423	444	464	481
Bike Standover Height (mm)	618	617	617	626
Seat Tube Angle (Virtual) (degrees)	75.5	75	74.5	74
Toptube Length (horizontal) (mm)	585	615	645	675
Headtube Length (mm)	135	150	165	190
Seat Tube Length (mm)	400	450	460	500
BB Height (mm)	285	285	285	285
BB Drop (mm)	70	70	70	70
Fork Rake/Offset (mm)	44	44	44	44
Stack (mm)	625	639	652	676
Wheelbase (mm)	1160	1186	1212	1239
Fork Length (full) (mm)	480	480	480	480
Trail (mm)	96	96	96	96
Front Center (mm)	699	724	750	777
Chainstay Length (mm)	470	470	470	470
Headtube Angle (degrees)	68	68	68	68
Crank Length (mm)	170	170	170	170
Handlebar Width (mm)	680	680	680	680
Stem Length (mm)	75	75	75	75
Saddle Width (mm)	155	155	155	155
Seatpost Length (mm)	375	375	375	375

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SEAT BINDER	Alloy, bolt-type, 34.9mm
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MOTOR	Specialized 2.2 S, 90Nm torque, custom tuned motor, 45kph/L1Eb, 250W nominal
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