

Aventure M Ebike Specifications

General Info

Model	Aventure M Ebike
Ideal Use	All-Terrain Performance
Weight	73 lbs
Total Weight Limit	400 lbs
Rider Height	R: 5'3" - 5'10" L: 5'10" - 6'4"
Ebike Class	Class 1 (Aftermarket Throttle Available for Class 2 Conversion. Can also be converted to Class 3)
Range	Up to 85 Miles
Water Resistance	Bike - IPX6 // Motor - IP67
Battery Safety Certifications	Certified to UL 2271
Safety Certifications	UL Safety Certified UL 2849

Frameset

Fork	Aventon/Zoom Suspension Fork, 80mm travel, with lockout
Rear Spacing	190mm
Fork Spacing	135mm
Frame	6061 Aluminum

Wheelset

Front Wheel	26in, 36 hole, Aluminum Fat tire Rim, Thru Axle, Schrader Valve
Rear Wheel	26in, 36 hole, Aluminum Fat tire Rim, Thru Axle, Schrader Valve
Tires	Inova 26x4.0 puncture resistant

Ebike System

Motor	Aventon a100 mid-drive. 36v, 250W (sustained), 750W (peak), 100NM torque. IP67 rating
Motor Torque	100Nm
Display	Aventon BC280
Battery	Removable Internal Lithium-ion. 36V, 20Ah, 733Wh, LG 21700 cells
Battery Weight	8.7lbs
Controller	Integrated in Motor
Throttle	Aftermarket Throttle Available for Purchase

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Sensors	Double Sided Torque Sensor Integrated in Motor
Charger	36V Output: 42V/4A
Charging time from 0% to 100%	5 hours
Lights	Integrated front and rear running lights (no brake lights)

Brakes

Front Brake	SRAM DB4 Hydraulic Disc Brakes w/o cutoff
Rear Brake	SRAM DB4 Hydraulic Disc Brakes w/o cutoff
Front Brake Rotor	Sram G2 200mm 6-Bolt
Rear Brake Rotor	SRAM G2 180mm 6-Bolt

Drivetrain

Rear Derailleur	Shimano Cues 10-Speed
Shifter	E-Shifter
Chain	9/10/11 Speed 124L
Cassette	Shimano Cues 10-Speed 11-39T
Chainring	44T
Chainring BCD	N/A
Crankset	Aventon 170mm ISIS Splined
Bottom Bracket	N/A
Pedals	9/16" Alloy Platform

Cockpit

Saddle	Aventon Saddle
Seatpost	Aventon Suspension Seatpost, Ø 30.9mm, 350mm Length. 50mm travel
Seatpost Clamp	34.9mm
Handlebars	Aluminum 31.8, 720mm
Grips	Aventon Lock on grips
Headset	Sealed bearing H887 Peilin 28.6mm * 56mm * 56mm H18.6mm 7pcs

Included Accessories

Kickstand	Included, rear mount
Rear Rack	Included
Fenders	Included

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Technical Overview

Aventure M comes out of the box as a Class 1 ebike, with pedal assist. An Aventon throttle can be purchased and easily installed on Aventure M to convert to Class 2. Aventon ebikes are built to the IPX6-rated standard. An IPX6 rating means the bike is protected against high-pressure water streams from any angle. This provides strong water resistance, so you can confidently ride in heavy rain or through puddles and mud. However, IPX6 does not mean waterproof - Aventon ebikes are not designed for full submersion. Avoid using a pressure washer or sprayer to clean your ebike, as pressurized water can still damage components.