

CANYON





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ADVENTURE READY

There's one word above all else that defines the new Neuron:ON.

Adventure.

Designed from the ground up for every rider who has ever wondered what trails might be hidden on the other side of the mountain, what views can be found beyond the horizon, the Neuron:ON AL is the perfect companion for exploring whatever adventure might lay ahead. Whether that adventure unfolds among mountain passes or forested singletrack, the Neuron:ON can unlock a whole new realm of riding.

With 145 mm of rear travel and a stout 150 mm travel fork, the Neuron:ON AL is built to offer a balanced ride, and to provide the kind of performance and handling that will allow riders to tackle any terrain. Powerful and efficient enough to make easy work of the hardest climbs, surefooted and sweet handling enough to turn every descent an exercise in pure adrenaline flavored fun, packed with enough battery to ride clean off the map then back again, and built with the quality and components to do it over and over again, the Neuron:ON AL is an uncompromising do-it-all full suspension e-MTB that delivers a peak ride experience at an astonishing value.





The Neuron:ON AL is built around an aluminium frame. It all starts here. While carbon fiber may grabbing the headlines, when it comes to putting in the hard miles in faraway places, building with aluminium is a good way to ensure durability and peace of mind. The sleek silhouette of the Neuron:ON AL frame integrates the battery into its downtube and has been crafted to exceed the rigorous standards of Category 3 testing. The sealed pivot bearings and hardened pivot hardware are designed to provide years of trouble free performance, and the frame features extra protective armor beneath the downtube and a super durable UDH. Available in five sizes ranging from XS to XL, weighing a competitive 25 kg, the Neuron:ON AL is not built around just any aluminium frame. We cut no corners, took no shortcuts.

REFINED GEOMETRY

Progressive, balanced, modern mountain geometry gives the Neuron:ON AL the capability to make the most of any situation off-road, and the versatility to ensure fun everywhere. Ample, efficient suspension combined with a long wheelbase and a centralized rider position equates to more traction on the climbs and more confidence at speed and when descending. This latest iteration of our "go everywhere" trail e-MTB features a relaxed 64.5 degree head angle and a pedal-friendly 76.7 degree seat angle, along with the enhanced traction and climbing stability of 455mm chainstays. In order to keep the off-road party going in all terrain, with greater comfort, we increased the stack height for a more upright stance.

	X-SMALL	SMALL	MEDIUM	LARGE	X-LARGE
TOP TUBE LENGTH	564	588	614	643	672
HEAD TUBE LENGTH	151	163	133	143	155
HEAD TUBE ANGLE (°)	64,5	64,5	64,5	64,5	64,5
SEAT TUBE LENGTH	371	391	421	441	461
SEAT TUBE ANGLE (°) ACTUAL • EFFECTIVE	71 • 77,3	71 • 77	71 • 76,7	71 • 76,4	71 • 76,1
CHAINSTAY LENGTH	452	452	455	455	455
WHEELBASE	1212	1233	1255	1284	1314
STACK	623	634	643	652	663
REACH	418	433	460	485	510
STAND-OVER HEIGHT	779	780	781	785	788
BB DROP FRONT	13	13	33	33	33
BB HEIGHT	343	343	343	343	343
SPACER BELOW • TOP	15 • 5	10 • 5	15 • 5	15 • 5	15 • 5
STEM LENGTH	45	45	45	45	45
HANDLEBAR WIDTH	760	760	780	780	780
HANDLEBAR RISE	20	20	20	20	20
CRANK ARM LENGTH	165	165	165	165	165
SEAT POST DIAMETER	34.9	31.6	31.6	31.6	31.6
SEATPOST TRAVEL LENGTH	150	170	200	200	230
MIN • MAX SEATPOST INSERTION DEPTH	90 • 215	120 • 225	150 • 275	150 • 275	190 • 315
WHEEL SIZES	27.5"	27.5"	29"	29"	29"
BRAKE DISC SIZE	200/203	200/203	200/203	200/203	200/203
FRONT • REAR TRAVEL	150 • 145	150 • 145	150 • 145	150 • 145	150 • 145

REFINED GEOMETRY

643 mm Stack Height
= Upright & Comfortable Cockpit

Steep (76.7-Degree) Seat Angle
= More efficient climbing position

455 mm Chainstays make
steep climbs easier.

64.5-Degree Headtube gives
more control on descents.



Generous 1255 mm Wheelbase
= Max. control at speed and long rides





LONG DISTANCE COMFORT

The same traits that make the Neuron:ON AL so capable off-road also translate to greater comfort across longer distances over any terrain. Ample power assist and huge range capacity go hand in hand with more comfort. The more upright riding position makes it easier to look farther ahead, and reduces strain on the shoulders and necks of riders. See farther, ride longer, experience greater comfortable over bigger distances.



RIDE SMOOTH, RIDE FAR

We tailored the suspension kinematics on the Neuron:ON AL to provide the support to smash through roots and rocks and swallow big hits with ease, but to also deliver a velvety smooth ride over small to medium impacts. This broadly capable suspension design is then mated with premium components from Fox and RockShox to deliver a magic carpet ride; 145 mm of rear travel and 150 mm up front that is sporty and supportive when it needs to be, while remaining smooth and capable over the long haul. Comfortable, controlled and precise, the Neuron:ON AL is ready for any adventure.

ADVENTURE PROVEN DURABILITY

A central idea at the heart of the Neuron:ON AL is that of “democratized performance”. We wanted to build a an e-MTB that delivered a top shelf ride, rewarded riders with premium performance, and did all this with no-fuss reliability that can be depended upon for years. To that end, we employ double sealed bearings throughout the suspension, and have made the integrated battery easily removable but also laid a stout layer of downtube protection in place to keep everything protected. We’ve also armoured the motor cover, and extended protection along the chain and seat stays. All cables are routed through hassle-free internal guides and even the dropper seat-post is the most reliable diameter available; 34.9 mm.



Wide-Diameter (34.9 mm)
Dropper Posts boast improved durability

Double-sealed bearings
reduce maintenance

Ample Chainstay,
Seatstay & Downtube
Protection

No-hassle, guided
internal cable routing

Removable Battery &
Downtube Protection

Sturdy motor cover
fends off rock strikes



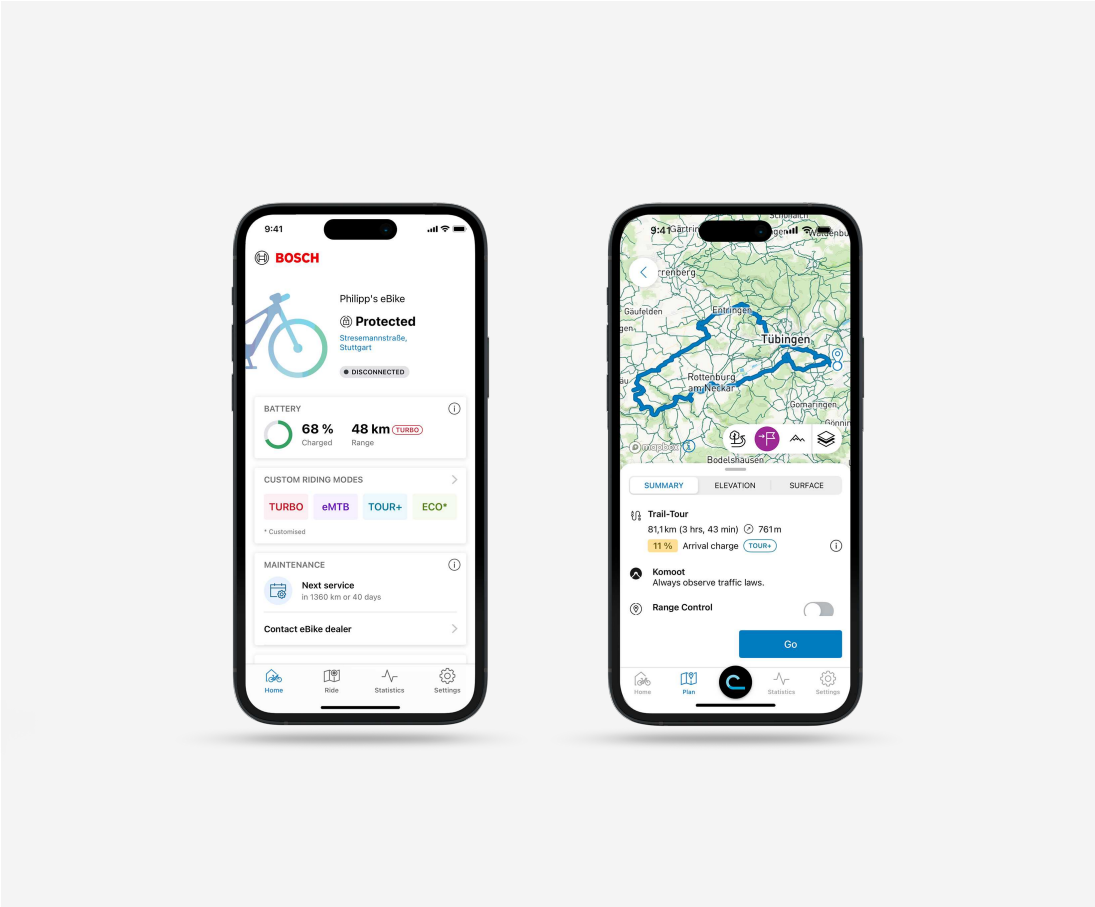
BOSCH POWER

The 5th and latest generation of the smooth, reliable Bosch Performance Line CX full-power drive unit sits at the heart of the Neuron:ON AL. It is a robust beast providing a stout 85 Nm of torque and up to 600w of peak power; enough to flatten mountains and dramatically shorten the distance between intention and adventure. Four individually tunable ride modes deliver an assist that is discrete and intuitive, smoothly boosting rider efforts in a way that feels like a natural extension of pedaling input.



BIG BATTERIES FOR BIG RANGE

Adventures shouldn't be handicapped by limitations. The Neuron:ON AL comes equipped with a massive 800Wh of range (600Wh comes standard on the Neuron:ON AL 7, but it's upgradable to 800Wh); enough to power 1,800 vertical meters and 65 km of assisted riding per charge. Ambitious adventurers can spool up another 250Wh with Bosch's 250Wh range extender and tack another 30 % of potential onto their ability to roam, bringing even the most formerly gruelling days in the saddle into every rider's comfort zone.



SECURITY AND PEACE OF MIND

Nothing kills a good case of wanderlust faster than a stolen bike, and bike thieves love e-bikes! Bosch's Connect Module provides peace of mind and brings a layer of smart phone enabled protection to the Neuron:ON AL. It can disable the motor and battery, sound an alarm, and provide tracking in the event of worst-case scenarios. The Flow+ app also enhances user experience with a sophisticated navigation system and a wide range of personalization options, ensuring peace of mind on the bike or off.



POWER IN CONTROL

There are four ride modes available for the Neuron:ON, and each of those modes can be tuned individually in the following parameters; maximum torque, maximum speed, dynamics, and support.

The four available ride modes are:

TURBO: MAXIMUM SUPPORT

- direct, maximum power support, generating up to 340 % of rider's power - ideal for steep climbs
- supports high pedaling frequencies
- individually adjustable via the eBike Flow app

EMTB: DYNAMIC SUPPORT FOR E-MOUNTAIN BIKING

- dynamic support, up to 340 % of rider's power output
- Extended Boost for easy movement over roots and stones
- individually adjustable via the eBike Flow app

TOUR+: STEPLESS SUPPORT FOR TRAILS AND TOURS

- stepless, natural assistance, up to 340 % of rider's power output
- energy-saving riding on flat trails
- individually adjustable via the eBike Flow app

ECO: LOW SUPPORT FOR MORE RANGE

- low support and maximum range efficiency, up to 60 % of rider's power output
- ideal for tours with a very long range
- individually adjustable via the eBike Flow app

TOTAL CONTROL

No matter where the trail leads, from technical roots and rocks to wild alpine descents, the Neuron:ON AL can tackle it all. Featuring a highly efficient, broadly capable rear suspension design with 145 mm of travel, the Neuron:ON AL also gets burly Fox 36 or RockShox forks with 35 mm stanchions for unparalleled control in any terrain; magic carpet smooth on the small hits, progressive and precise in the big stuff.



DROP IT LIKE IT'S HOT

34.9 mm diameter dropper posts are standard on all Neuron:ON AL models, providing as much as 230 mm of drop on the XL size. The extra diameter is more resistant to flex, increases durability, and reduces maintenance needs. Everyone benefits from the increased maneuverability and control in technical terrain that dropper posts allow. With the added diameter and extra travel, everyone benefits even more.



STOP WITH AUTHORITY

Brakes are one of the most important considerations on a mountain bike. They are a crucial key to a rider's sense of control. On an e-MTB, they take on even greater importance and are subject to substantially more abuse. The Neuron:ON AL doesn't cut any corners here, utilizing brawny 4-piston brakes from SRAM and Shimano and relying on massive 200/203 mm rotors to make sure that deceleration is a smooth and reliably powerful counterpoint to all that readily available capacity for acceleration.



FULL-POWER DRIVETRAIN. LONG HAUL PERFORMANCE.

The added power of e-MTBs places extra demands on shift components and drivetrains. Bearing this in mind, we have equipped each model of Neuron:ON AL with robust, durable 12-speed drivetrains designed specifically to withstand the rigors of e-MTB power and deliver consistent, trouble-free performance day after day, month after month, regardless of the terrain or the conditions.



NEURON:ON LINE-UP

	Neuron:ON AL 9	Neuron:ON AL 8	Neuron:ON AL 7
WEIGHT (ALUMINIUM E-MTB)	24,9 kg Aluminium e-MTB	25,56 kg Aluminium e-MTB	24,6 kg Aluminium e-MTB
MOTOR	BOSCH Performance Line CX 600 W	BOSCH Performance Line CX 600 W motor	BOSCH Performance Line CX 600 W motor
BATTERY	BOSCH PowerTube 800 Wh BOSCH Kiox 300 I BRC3600 BOSCH Connect Module 3100	BOSCH PowerTube 800 Wh BOSCH Kiox 300 Display I BRC3600 BOSCH Connect Module 3100	BOSCH PowerTube 600 Wh and 800 Wh Battery option BOSCH Purion 200 Display BOSCH Connect Module 3100
FORK	RockShox Lyrik Base, 150 mm	FOX 36 Rhythm, 150 mm	RockShox Psylo Silver RC, 150 mm
REAR SUSPENSION	RockShox Deluxe Select Shock (145 mm)	FOX Float Rhythm Shock (145 mm)	RockShox Deluxe Select Shock (145 mm)
DRIVETRAIN	SRAM S1000 AXS Eagle Transmission, 12s	SHIMANO Deore, 12s	SHIMANO Deore, 12s
BRAKES	SRAM DB8 Stealth, 4 Piston Brakes (200 mm)	SHIMANO MT4120, 4 Piston Brakes (203 mm)	SHIMANO MT4120 I 4100 , 4 Piston Brakes in Front, 2 Piston in Rear (203 mm)
WHEELS (ALUMINIUM)	DT Swiss H1900 LS (27,7" XS-S, M-XL 29er)	RODI TRYP 30 CL (27,7" XS-S, M-XL 29er)	RODI TRYP 30 CL (27,7" XS-S, M-XL 29er)
TIRES • FRONT	SCHWALBE Magic Marry ST ADDIX SOFT 2,4	SCHWALBE Magic Marry ST ADDIX SOFT 2,4	SCHWALBE Hans Dampf ST Speed Grip 2,4
TIRES • REAR	SCHWALBE Hans Dampf ST Speed Grip 2,4	SCHWALBE Hans Dampf ST Speed Grip 2,4	SCHWALBE Hans Dampf ST Speed Grip 2,4
SEATPOST	Canyon SP0070 34.9 Dropper Post (XS: 150 mm, S: 170 mm, M-L: 200 mm, XL: 230 mm)	Canyon SP0070 34.9 Dropper Post (XS: 150 mm, S: 170 mm, M-L: 200 mm, XL: 230 mm)	Canyon SP0070 34.9 Dropper Post (XS: 150 mm, S: 170 mm, M-L: 200 mm, XL: 230 mm)
HANDLEBAR (ALUMINIUM)	CANYON HB0056-01 (XS-S: 760 mm, M-XL: 780 mm)	CANYON HB0056-01 (XS-S: 760 mm, M-XL: 780 mm)	CANYON HB0056-01 (XS-S: 760 mm, M-XL: 780 mm)
STEM	CANYON ST0031-01, 45mm	CANYON ST0031-01, 45mm	CANYON ST0031-01, 45mm
SIZES	XS-XL	XS-XL	XS-XL
COLORS	P01 (Space Grey) P02 (Metallic Ocean)	P01 (Space Grey) P02 (Metallic Ocean)	P01 (Space Grey) P02 (Metallic Ocean)

NEURON:ON LINE-UP

MODEL

Neuron:ON AL

COLOR

P01 (Space Grey)



MODEL

Neuron:ON AL

COLOR

P02 (Metallic Ocean)



DETAILS MAKE THE DIFFERENCE

The Neuron:ON is loaded with smart details that deliver out on the trail. Our fiber reinforced skid plate, for instance, simultaneously shields the motor from rocks and serves as a bash guard for your chainring.

Our Canyon bar and stem are tested to our rigorous e-MTB safety standard and integrate neatly with the industrial design of headtube and spacer stack.

Room for a standard 600ml water bottle and sideloader cage on all sizes is not to be overlooked. Two mounting points gives riders the option of a lower position for more centred weight distribution, and clearance to bump up bottle size, or a higher position for easy reach drinking.

Finally, our Quixle thru-axle design boosts rear end stiffness while tucking neatly into the axle to provide easy, tool-free wheel removal in a similarly streamlined package.

Also a kickstand can get installed.



FAQs

Q01	WHEN DOES THE EMBARGO EXPIRE ON EACH OF THESE NEW CANYON NEURON:ON AL MODELS? WHEN CAN JOURNALISTS PUBLISH STORIES AND PHOTOS FROM THE PRESS LAUNCH?
	The embargo on all NEURON:ON AL models expires at 11 am CET on March 28, 2025.
Q02	WHEN WILL THE NEW NEURON:ON AL MODELS BE AVAILABLE FOR PURCHASE?
	All markets, apart from the US, will have the new Neuron:ON AL models available from March 28, 2025, exclusively via canyon.com and Canyon Stores.
	THE BIG PICTURE
Q03	WHAT KIND OF BIKE IS THE NEURON:ON AL?
	This is the quintessential trail e-MTB. The new Neuron:ON AL is a truly versatile rig that's equally at home deep in the backcountry as it is crushing laps on your local trails or taking you, frankly, anywhere you want to pedal. This is the ideal bike for riders who want a full-power e-MTB that provides both the raw power and massive range to crush big climbs and long days in the saddle.
Q04	WHAT WAS THE MOST IMPORTANT GOAL IN THE DEVELOPMENT OF THE NEW NEURON:ON AL?
	Versatility is a word that pops up a lot when we talk about Neuron:ON AL and there's a good reason for that—it was our overarching goal when we designed this bike.
	We wanted to create a bike that was truly off-road capable but could just as easily power someone's ride into town. The durable frame, progressive geometry, and powerful drive system combine to create the most versatile e-MTB possible.
Q05	WHAT SHOULD I DO IF I SEE AN ERROR CODE ON THE DISPLAY?
	You can insert the error code that is displayed into the search on the Bosch eSystems website (bosch-ebike.com/en/). The Bosch site will then provide a description of the error and will explain if you can resolve the error yourself or if you need to take it to a shop to solve the issue.
Q06	CAN I USE DIFFERENT CRANKS OR CHAINRINGS?
	Yes, the Neuron:ON AL crank uses the ISIS splined crank interface and is therefore compatible with other ISIS cranks. The chainring uses a special Bosch interface, which is supported by various manufacturers. However always check the Q-Factor on whichever cranks you are considering installing so as to ensure that there's enough clearance between each crankarm and the rear frame.

Q07	WHAT DISTINGUISHES THE NEW NEURON:ON AL FROM ITS PREDECESSOR?
	The new Neuron:ON AL is smoother, quieter, more powerful, offers more range, and is an even better climber and descender than before. It's truly an all-new bike.
	Let's begin with the most obvious change—the Neuron:ON AL now features Bosch's latest Performance Line CX drive system, whereas its predecessor sported a Shimano system. The new bike also gets a boost in battery capacity and range. The new Neuron:ON AL can be had with a massive 800 Wh battery. What's more, riders can boost that already-impressive battery capacity even further (to an astonishing 1050 Wh) by purchasing a Bosch PowerMore 250 range extender battery.
	Next, we beefed up the front suspension, opting for 150 mm forks with wider 36 and 35 mm-diameter stanchions. Finally, we updated the Neuron:ON AL geometry, steepening the seat tube angle for better climbing performance and slackening the head angle for a more stable and confident feel on steep descents.
Q08	WHAT SPECIFICALLY SETS THE NEURON:ON APART FROM ITS SPECTRAL:ON AND STRIVE:ON SIBLINGS?
	The Neuron:ON is designed for riders seeking a versatile, all-rounder e-MTB that's particularly well suited to long adventure rides. Both the Spectral:ON and Strive:ON are aimed at more aggressive trail and enduro riders who prioritize downhill performance over all-day riding comfort.
	The Spectral:ON is a full-carbon e-MTB with a Shimano EP801 drive system and a maximum battery capacity of 900 Wh (size M–XL). The Spectral:ON features a lighter chassis and overall build than Neuron:ON while still being more of a trail shredder's weapon of choice than the Neuron:ON. Accordingly, the Spectral:ON is equipped with a bit more (160/150 mm) front and rear suspension travel than the Neuron:ON.
	The Strive:ON is a full-carbon e-MTB aimed at e-Enduro riders or anyone looking for maximum control on the steepest, most technical descents. The Strive:ON geometry is far more aggressive than that of the Neuron:ON and it features significantly more (170/160 mm) front and rear suspension travel. Finally, the Strive:ON also features Bosch's Performance Line CX drive unit but opts for smaller 625 or 750 Wh batteries.
Q09	THE NEURON:ON AND NEURON:ONfly SHARE A SIMILAR NAME—ARE THERE OTHER COMMON CHARACTERISTICS BETWEEN THESE TWO E-NEURON LINE-UPS?
	Both bikes feature similar amounts of suspension travel and both feature balanced trail geometry for climbing and descending.

Q10	WHO IS THE IDEAL RIDER FOR THE NEURON:ON?
	The Neuron:ON is for riders who dream of a bike that takes them off the map and back easily and safely. They want adventure and that's precisely what the Neuron:ON delivers. Everything from handling, to battery capacity, suspension tune and components are perfect for riders who value hours of escaping into nature more than seconds of air time.
	So while the Neuron:ON is definitely a capable offroad machine, we designed the bike to hit more of a middle ground. Confident when it counts, but still responsive and involving for technical climbs and reduced fatigue on very long days in the saddle.
Q11	WHAT IS THE NEURON:ON AL'S GREATEST STRENGTH?
	The Neuron:ON AL's greatest strength is its versatility. If you need one e-MTB which can do nearly everything, this is your bike. The Neuron:ON AL's durable, hassle-free design makes it a very easy bike to ride and own. We gave the Neuron:ON AL an easily removable (and lockable) battery. Durable, double-sealed bearings, and a rugged alloy frame that can withstand whatever your adventure throws at you.
	The Neuron:ON AL geometry also contributes to the bike's excellent jack-of-all-trades traits. A front end that's long and slack enough to inspire confidence on technical descents, but not so slacked out that it becomes a handful to ride on all-day backcountry excursions. In other words, you don't have to stand up and attack every turn and feature to get the most performance from this bike, because we've already balanced it perfectly for you.
	THE TECHNICAL DETAILS
Q12	HOW MUCH DOES THE NEURON:ON WEIGH?
	The new Neuron:ON AL weighs approximately 25 kg. This depends on the frame size, specification level and battery capacity.
Q13	HOW HAS THE GEOMETRY OF THE NEW NEURON:ON AL EVOLVED?
	We wanted to ensure that this was a bike that you could pedal all day long without straining your lower back and blowing up your wrists. That's why we gave it a slightly more upright cockpit positioning than our pure XC or Trail/Enduro bikes.
	We also slackened the head angle slightly, giving the new Neuron:ON AL a calmer demeanor on steep, chunky terrain than its predecessor. Finally, we lengthened the chainstays slightly, which improves stability on those same fast and rough descents in the same way a tail works on a kite. Growing the chainstays also makes it easier to tackle steep climbs without losing either front or rear end traction.

FAQ M167• NEURON:ON AL

That all contributes to creating a super comfortable, sure-footed way to enjoy the whole environment of your adventure, not just concentrate on the trail.

Q14 HOW MANY FRAME SIZES ARE THERE FOR THE NEURON:ON AL?

The new Neuron:ON AL will be available in five frame sizes: XS, S, M, L and XL. This covers rider heights from 1,58m to 2,00m.

Q15 WHAT IS THE MAXIMUM SYSTEM WEIGHT LIMIT OF THE NEW NEURON:ON AL?

The system weight—total carrying capacity including bike and rider—is 130kg.

Q16 WHAT IS THE STRENGTH RATING OF THE NEURON:ON AL?

The new Neuron:ON AL features a durable aluminium frame that has been tested to pass Category 3e standards.

Q17 IS CANYON'S E-MTB TESTING PROCEDURE DIFFERENT THAN STANDARD TESTS?

Yes! With a bike like this, there's more weight, more power, and the potential for greater mileage at play... all of which generally increase wear and tear on a bike. That's why we subject e-MTBs to an increased number of cycles within our e-bike test protocols. E-MTBs are also subjected to some unique kinds of stresses, which we account for in our testing and development process. For example, e-MTB riders often generate remarkably high amounts of power while pedaling in a seated position. We've found that this increases stress on some areas of the frame that you just don't see on non-powered bikes. Our tests take all of this, and more, into account.

Q18 DOES THE NEURON:ON AL FEATURE ANY GEOMETRY ADJUSTMENTS?

As with all our other Neuron models, we aim to deliver a simple set-up experience and great handling, right out of the box. That's why we created a geometry that makes sense for the widest range of riders on a wide range of trails. Accordingly, the Neuron:ON AL does not offer any geometry adjustments.

Q19 WHY DOES THE NEURON:ON AL HAVE LONGER CHAINSTAYS THAN THE PREVIOUS NEURON:ON CF OR THE NEURON:ONFLY?

The new Bosch CX (BDU38) generates a strong assist, allowing you to climb steeper and more technical terrain.

In these situations, a longer chainstay helps the rider stay centered and balanced. That's why we decided to lengthen the chainstays by 5 mm.

Q20 WHY DOES THE NEURON:ON AL HAVE LONGER REACH THAN THE NEURON?

The Neuron:ON AL uses a 5 mm shorter stem (45mm) compared to Neuron (50mm), so we increased the reach in order for the distance between the rider contact points to remain the same.

Q21 DOES THE NEURON:ON AL CARRY OVER SOME TECH FROM OTHER CANYON BIKES?

There are certainly some shared technologies and features with other bikes in the Canyon line up. The geometry, for example, is largely shared with the most recent generation of Neuron:ON CF. You might also note that the battery cover looks familiar. That's because we use the same motor cover on our Bosch-equipped Grand Canyon:ON e-hardtail. Finally, the stem, handlebar and Acros headset system is shared across a number of our e-MTB models. These efficiencies lower our costs so we can pass those savings onto our customers.

Q22 HOW MUCH SUSPENSION TRAVEL DOES THE NEW NEURON:ON AL HAVE?

The Neuron:ON AL now features 150mm of front suspension paired to 145 mm of smooth, progressive rear suspension travel. Each of our new Neuron:ON ALs is spearheaded by flex-resistant Fox and RockShox forks with 35 and 36 mm stanchions. We didn't skimp one bit on suspension quality.

Q23 WHY DOES THE NEW NEURON:ON AL HAVE MORE TRAVEL COMPARED TO THE CARBON PREDECESSOR?

The Neuron:ON CF geometry and kinematics work well, but there were some limitations with the "smaller" (34 mm) stanchion forks we used to keep overall bike weight low. Weight is less of an issue on Neuron:ON AL so we improved downhill performance by increasing fork travel to 150mm and using stiffer, heavier forks. To keep the suspension performance balanced we then increased the suspension travel at the rear too.

Q24 HOW BIG OF A TIRE CAN I FIT ON THE NEW NEURON:ON?

The largest tire that we recommend is 29x2.6". We absolutely do not recommend trying to fit a wider tire on this bike—doing so could damage the frame. Similarly, we don't recommend that anyone try to make a mullet version of their Neuron:ON. The smaller 27.5" wheel used on mullet builds will adversely affect the geometry and handling of the bike.

If you want to go the mullet route, go with either the Spectral:ON, Strive:ON, or Torque:ON.

Q25 HOW IS THE CABLE ROUTING CONFIGURED ON THE NEW NEURON:ON AL?

We aimed to make the Neuron:ON AL a sleek, sophisticated, silent bike that's still easy to own and maintain. Accordingly, the cables are partially guided in the main frame, around the battery. Cable clips within the downtube ensure clean, quiet cable routing and no interference with battery. And since the Neuron:ON AL features a removable battery, it's also easy to access the cables by removing the battery itself.

The rear derailleur and rear brake lines are internally routed within the chainstays. Two rear derailleur chainstay exits make the Neuron:ON AL compatible with both mechanical and electronic shifting from SRAM or Shimano. Large cable radii allow for smooth, long-term shifting performance and keep your thumbs fresh even on the longest rides.

Q26 WHY IS THE NEURON:ON THE ONLY FULL POWER E-MTB IN THE CANYON LINE-UP ON FULL 29ER WHEELS?

Canyon was one of the first bike brands to equip an e-MTB with mullet wheelsizing, rolling out the mullet configuration on our very first Spectral:ON, back in 2018.

So, why full 29er for our Neuron:ON models?

Because the bigger 29" rear wheel still provides some important performance benefits when you are rocking less than 150mm of rear suspension. Riders with this much rear suspension benefit from the 29er's improved roll over performance on technical terrain and the bigger wheel's ability to maximize momentum carry.

For an adventure bike designed to cover as much ground as possible with as much stability and comfort as possible, going full 29er makes a lot of sense.

Q27 WHAT WAS THE GOAL OF THE SUSPENSION LAYOUT?

We designed the Neuron:ON AL to be reactive in the initial travel over small trail obstacles and to absorb vibrations for a smooth, fatigue-free ride. As speeds and obstacle size increase, there's plenty of accessible travel for great comfort and traction, spiced up with enough progression to have fun and prevent bottoming out on bigger impacts and jumps.

Q28 HOW DOES THE NEURON:ON AL KINEMATIC COMPARE TO THAT OF OTHER CANYON BIKES?

The Neuron:ON AL is a continuation of Canyon's suspension design evolution, and is very comparable to existing bikes like the Neuron:ONfly and Neuron.

Q29 WHY DOES THE NEURON:ON AL HAVE A HIGHER BEGINNING POINT OF LEVERAGE RATIO?

Compared to the Neuron:ONfly, we get more wheel travel from the same 55 mm of shock stroke. However while Neuron:ON has a higher overall leverage ratio, the leverage curve in the mid and end stroke still strongly define the overall ride characteristic.

Q30 WHAT IMPLICATIONS DOES THE SUSPENSION LAYOUT HAVE ON ANTI-SQUAT VALUES?

Lower levels of anti-squat allow the suspension to be very active and supple on technical climbs and that was a characteristic we were looking to achieve. Maximum traction when you are scaling rocky and root-covered climbs is an awesome thing. Also while pedaling stability is a bit lower when standing up than our non-powered Neuron models it's ideal for sitting and spinning on a high powered e-MTB.

Q31 WHY ARE THERE THREE BOLTS AT THE WATER BOTTLE CAGE MOUNT?

We designed the bottle cage mount on the downtube with both functionality and convenience in mind. The lower position ensures that weight is distributed as low as possible, providing greater stability and room for a larger bottle. However, we understand that some riders may not want to reach down that far, so we also offer an upper mounting position that allows riders to keep their bottle closer and within easy reach. It's about giving the rider as many options as possible.

Q32 CAN I ADD ANOTHER BOTTLE OR RANGE EXTENDER?

Due to the complexity of packaging a motor and suspension in a small area, there is only enough room on the Neuron:ON AL to fit one bottle on the downtube. You have the option to carry a bottle or a range extender, but unfortunately you can't carry both at the same time.

MOTOR TECHNOLOGY

Q33 CAN THE NEURON:ON AL'S MAIN BATTERY POWER A LIGHTING SYSTEM?

While the Bosch Smart System can act as a power supply for lights, none of the Neuron:ON AL models feature a pre-assembled light cable. If a customer wants to use the main battery for this purpose, they'll need an additional cable.

There are two plugs for lights (front & rear). On mechanical drivetrain bikes, the light ports must be enabled at a Bosch dealer location or Canyon Service Point.

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Q34 DOES THE NEW NEURON:ON AL FEATURE A USB HUB?

No, there is not a USB hub on the Neuron:ON AL.

Q35 HOW DOES THE NEURON:ON TAKE ADVANTAGE OF THE BOSCH SMART SYSTEM?

The powerful Bosch Performance Line CX motor combined with two battery options (800/600 Wh) offers the power and the range to discover more trails with very few restrictions. The Bosch Smart System provides an intuitive interface that allows riders to maximize the functionality and usability of this powerful motor and battery.

Q36 WHAT ELSE CAN RIDERS EXPECT FROM THE BOSCH SMART SYSTEM?

The Bosch Smart System offers several ways to elevate your riding experience. We chose a selection that we think are most beneficial for E-Mountainbikers. End-consumers can control all the functions of the smart system via the eBike Flow app.

The eBike Flow app, battery, control unit and drive unit are fully integrated within Bosch's smart system. Regular over-the-air updates keep these up to date and add new features as they are developed. Whether you're riding to work or hitting the trails, you can personalize the system to best suit your riding experience.

You can easily access the power mode settings, button functions, tracking and security, and, with the addition of a smartphone mounted on the handlebar (not included) you can have turn by turn navigation and route planning, right at your fingertips.

Bosch Smart System and eBike Flow app also give you full ride and rider data capture for reviewing and sharing your adventures and making fitness tracking and training sessions easy.

Q37 CAN RIDERS EASILY REMOVE THE NEURON:ON AL'S BATTERY?

Yes. The Neuron:ON AL battery is integrated within the downtube, but you can quickly and easily access it. Simply, remove the battery cover from underneath the downtube, turn the key all the way to the right to release the battery into the catch. Press the release latch and pull the battery out.

Q38 WHICH BATTERY DOES THE NEURON:ON AL USE?

The Neuron:ON AL 9 and AL 8 feature an 800 Wh battery, and the Neuron AL 7 comes with a 600 Wh battery, with the option for riders to upgrade to the larger 800 Wh battery if they want more built-in riding range.

Q39 HOW MUCH DO THE BATTERIES WEIGH?

The 600 Wh battery weighs 3.000 g. The 800Wh battery tips the scales at 3.900 g, which is actually 400 grams lighter than the previous version's 750 Wh battery.

Q40 IS THE BOSCH RANGE EXTENDER PART OF THE PACKAGE?

No, but you can buy a Bosch PowerMore range extender with 250Wh on canyon.com.

Q41 HOW MUCH DOES THE RANGE EXTENDER WEIGH?

It weighs 1.600 g, including the mount (and 1.500 g without the mount).

Q42 HOW MUCH RANGE CAN RIDERS EXPECT TO GET OUT OF THE BATTERIES ON ONE CHARGE?

Ah, the age-old question. And we get it—range matters—but this is also a difficult question to answer with a single estimate of kilometers or hours ridden.

Range always depends on several factors such as (but not limited to): rider weight, rider strength, speed, which assist levels you are utilizing, amount of climbing you are doing, traction, topography, ambient temperature, headwinds surface, and whether Mercury is in retrograde. Pesky Mercury. And that's just for starters...

- We expect an 85 kg Rider, riding in EMTB mode to get around 1.800 m of vertical range
- For detailed range calculations there is a Bosch range calculator: [bosch-ebike.com/de/service/reichweiten-assistent/](https://www.bosch-ebike.com/de/service/reichweiten-assistent/)

Q43 CAN I DITCH THE MAIN BATTERY AND RIDE THE NEURON:ON AL WITH ONLY THE RANGE EXTENDER?

Yes, but we really don't recommend doing so. You can use the Bosch PowerMore 250 as your sole battery source on the Neuron:ON AL, but doing so will vastly reduce your range due to the small battery's reduced capacity. In addition, you'll get less power from the Bosch drive unit. To maximize your range and get the full power from the drive unit, combine the PowerMore 250 with either the 600 or 800 Wh standard battery.

Q44 CAN I CHARGE THE MAIN BATTERY AND RANGE EXTENDER AT THE SAME TIME ON THE BIKE?

No, the Bosch PowerMore range extender needs to be unplugged and both batteries charged separately.

Q45 CAN I CHARGE THE MAIN BATTERY EITHER ON OR OFF THE BIKE?

Yes. The Neuron:ON's battery can be charged both ways, either on the bike or removed from it.

Q46 HOW LONG DOES IT TAKE TO FULLY CHARGE DEPLETED BATTERIES?

- BOSCH POWERTUBE 600
50% charge: approx. 2.0 hours
100% charge: approx. 5.3 hours
- BOSCH POWERTUBE 800
50% charge: approx. 2.6 hours
100% charge: approx. 6.9 hours

Q47 WHAT DEVICES CAN I CONNECT TO THE NEURON:ON AL?

You can connect your phone to the Bosch Smart System à [Apple App Store](#) [Google Play](#)

Similarly, you can connect your bike via your phone to the Canyon App à [Apple App Store](#) [Google Play](#)

Q48 WHAT POWER TUNING OPTIONS DO RIDERS HAVE WITH THE NEURON:ON AL?

The Neuron:ON features 4 available riding modes, which you can easily toggle between with the handlebar-mounted Bosch mode selector.

TURBO

- Maximum support
- Direct, maximum power support with up to 340 % of your own power - ideal for steep climbs
- Supports up to high pedaling cadence
- Individually adjustable via the eBike Flow app

EMTB

- Dynamic support for e-mountain biking
- Dynamic support with up to 340 % of your own power output
- Extended Boost for extra assist on challenging terrain
- Individually adjustable via the eBike Flow app

TOUR+

- Stepless support on sporty tours
- Progressive, natural assistance with up to 340 % of your own power output
- Energy-saving riding on flat trails thanks to more power output than ECO
- Individually adjustable via the eBike Flow app

ECO

- Low support for maximum range
- Low support tailored for efficiency with up to 60 % of your own power output
- Ideal for long range rides and tours
- Individually adjustable via the eBike Flow app

You can further tune each ride mode (using the Bosch App) to your personal requirements in the following 4 parameters: support, dynamics, maximum torque, and maximum speed.

Q49 DOES THE BOSCH SMART SYSTEM OFFER A WALK ASSIST / WALK MODE?

Yes, it does and walk assist is a great feature. Walk Assist functions best when your chain is on the biggest cassette cog (52T SRAM or 51T Shimano).

Q50 WHAT KIND OF DISPLAY DOES THE NEURON:ON AL USE?

The Neuron:ON 9 & 8 both feature LED Remote (BRC3600) & Bosch Kiox 300 OLED displays while the Neuron:ON AL 7 uses the simplified Bosch Purion 200 (BRC3800).

The Bosch Kiox 300 lets riders take full advantage of Bosch's Smart System including navigation, which is a big plus for anyone using an e-MTB to explore new, far-flung places.

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