

eONE-SIXTY
eONE-FORTY



eTRILOGY

SAME SPIRIT. RIDER FOCUSED.

The age of the 'traditional' e-MTB is over - now you need to decide what kind of e-MTBer you are and what tribe you belong to!



Same spirit. Rider focussed.

WELCOME TO THE MERIDA eTRILOGY.

The age of the 'traditional' e-MTB is over - now you need to decide what kind of e-MTBER you are and what tribe you belong to!

It wasn't that long ago that the only big question was whether you were a mountain biker or an e-mountain biker - as with many things in life, things have become more complicated as e-bikes have come of age - now you need to decide what kind of e-mountain biker you are.

Is outright range your priority, or will you sacrifice battery capacity to have high-performance handling? Do you want an SUV or a dedicated off-roader?

Since the start of e-MTB, the eONE-SIXTY has been a bike that has been hugely important for MERIDA. Over the previous two generations of the bike, it has drastically changed what people expect from an electric mountain bike, and in doing so, it has completely altered rider perceptions of MERIDA mountain bikes.

However, in the world of e-bikes, technology rapidly moves on. In its lifetime, we've seen updates from external to internally mounted batteries, much more efficient, powerful and smaller motors plus more capable geometry and numerous other features that have set it apart from the competition.

The market for e-bikes has also fragmented, and so has what individual user groups expect from their e-bikes. It's not a case of 'one bike does it all' anymore - some users prioritise handling, some prefer outright range, and

eONE-SIXTY CF

Low weight, uncompromised handling, maximum power.



eONE-SIXTY LITE

Range is king. Full power, all the time.



eONE-FORTY LITE

Any trail. Any place.

some value versatility most of all. Trying to put all these attributes into one bike means you have to make some serious compromises.

From an even broader point of view, the overall trends in mountain biking are crossing over from purely human-powered bikes to e-bikes, with the increasing difficulty of trails being a driver behind more progressive geometry and better-performing suspension platforms.

With that in mind, we're not introducing a single new platform but rather three new bikes that share the same core ingredients, built on an all-new platform. They all benefit from the huge development time and testing put into the new human-powered ONE-SIXTY range, bringing innovation and ideas to the forefront.

Our new eONE-SIXTY and eONE-FORTY models come equipped with the latest Shimano STEPS full power units and a variety of battery sizes and configurations to perfectly meet the needs of the individual rider.

We believe Shimano full power drive units deliver the best e-bike riding experience, offering strong and supportive assistance. However, rather than using a less powerful motor, we prefer to adjust battery size to the task at hand. That means we can perfectly cater for riders who want maximum range, while also giving more weight-focused customers an uncompromised handling experience - all using the same platform.



Exciting key ingredients

THE NEW PLATFORM

Before we go into the individual bikes that are part of our eTRIOLOGY, we are going to look at the similarities and the new and exciting key ingredients which bring real advantages to their specific area of use.



Advanced e-MTB specific suspension

The suspension platform is derived from the FAST kinematic first seen on the ONE-SIXTY and ONE-FORTY platforms but has been further tuned for the needs of our e-MTBs. It delivers size-specific kinematics and progression, matching the frame size to not just body height but also riding style.

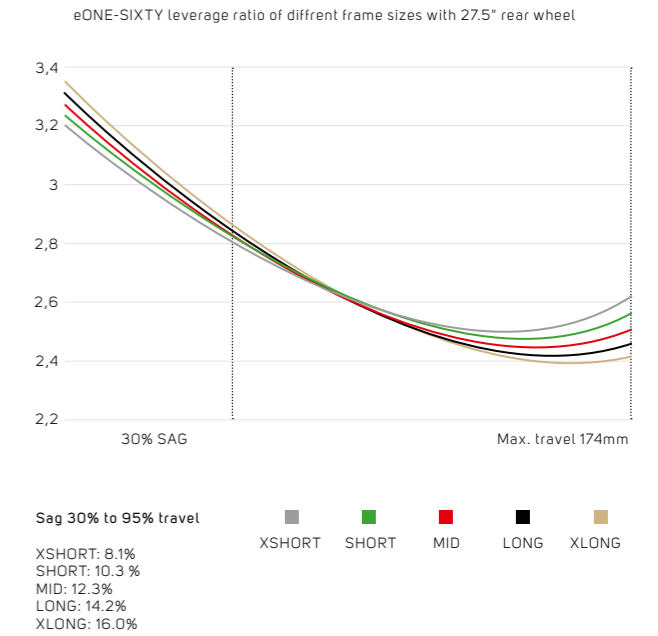


P-FLEX flexstay technology

The eONE-SIXTY models use P-FLEX flexstay technology, while the eONE-FORTY uses a seat stay bearing pivot to ease the fitting of a rear rack and full mudguard. The P-FLEX flexstay technology simplifies the rear end, reducing the need for maintenance and reducing the weight. As proven with the ONE-SIXTY, ONE-FORTY and the recent addition of the ONE-TWENTY, our system works perfectly with both frame materials, and the lack of the rear pivot has no impact on the longevity and robustness of the frame.

Size-specific

To give taller (and therefore normally heavier riders), as well as 'hard-hitting' riders who prefer a longer setup, more reserves and the support they need, as well as smaller, lighter riders the ability to access all their travel, we have made the progression size specific. So, the progression goes up the bigger the frame gets and, therefore, is size-specific.



Sag 30% to 95% travel

XSHORT: 8.1%
SHORT: 10.3%
MID: 12.3%
LONG: 14.2%
XLONG: 16.0%

XSHORT SHORT MID LONG XLONG

FLIP CHIP

All three bikes feature a FLIP CHIP in the rocker that allows the rear wheel size to be altered without the geometry being affected. By running the smaller 27.5" rear wheel, the rear wheel travel is 14 mm longer than with the 29er wheel, and the riding characteristics are slightly more 'lively' than with the bigger, more 'stable' 29er wheel.



Offset shocks and suspension travel

The bikes feature an offset shock to provide clearance for the range extender battery and knees, a slightly tweaked kinematic and a flip-chip for wheel size adjustability.

The travel is bumped up at either end - eONE-SIXTY is now 170 mm front and 174 mm rear (27.5" rear wheel), eONE-FORTY features 150 mm front and 143 mm rear (29er rear wheel).



The key factor when it comes to the handling of the bike.

GEOMETRY CONCEPT



Our eTRILOGY geometries have been heavily inspired by the test and award-winning ONE-SIXTY, which offers goat-like climbing and perfect trail calmness. The new geometry concept is more progressive by having a long reach, a slacker head angle and a steep seat angle, but it is tweaked for e-biking.



Comparing the ONE-SIXTY, size for size, to the new eONE-SIXTY bikes, they have a slightly shorter reach, as stability comes from e-bike's extra weight rather than the long wheelbase, while the shorter reach figure aids manoeuvrability with the heavier bike.

The stack figure has been reduced over the previous generation of eONE-SIXTY, giving the option of a more aggressive riding position with a low front end. Much like the ONE-SIXTY, we believe that it is better to be able to raise the stack using spacers or a higher rise bar than being stuck with a tall headtube and being unable to get the bar lower.

The geometry of the carbon eONE-SIXTY CF and the aluminium LITE is identical and has kept the highly praised handling character of the previous generation while bringing it up to modern geometry expectations.

The eONE-FORTY has also seen geometry updates, with increased reach and slackened head angles, making the bike more stable and progressive without taking the manoeuvrability needed in urban traffic and offroad adventures away.



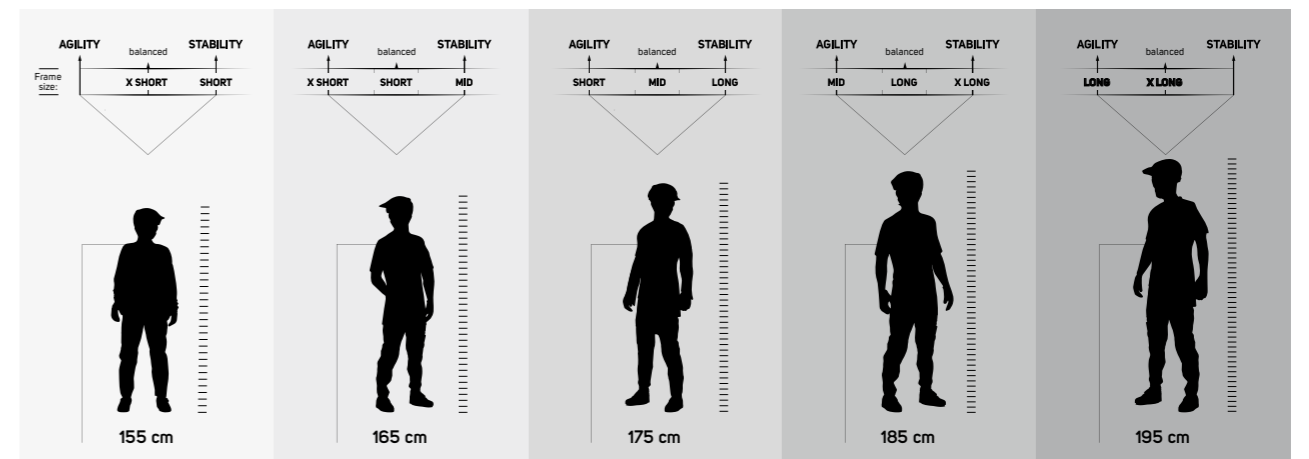
Choose the size for your riding style

AGILOMETER SIZING



All models of our eTRIOLOGY feature our AGILOMETER sizing. The adjustable length dropper post on the eONE-SIXTYs or the size-specific length long travel dropper posts fitted on the eONE-FORTYs*, in combination with a low stand-over height, allows riders to choose their bike size based on their preferences rather than purely on body height. Everything from long reach 'stability' to shorter reach 'manoeuvrability' and more upright riding comfort are possible. The sizing changes from S, M, L to Short, Mid, Long, etc., reflect the new sizing system.

* XShort = 125 mm, Short = 150 mm, Mid & Long = 200 mm, XLong = 230 mm



Incorporating the latest technologies

FEATURES & INNOVATIONS



MERIDA TEAM TR II dropper post

Fitted to most models in the range, this is a key part of the AGILOMETER sizing system that allows riders to choose their frame size based on the preferred riding characteristics and riding position, rather than just seat tube length. Travel is adjustable from 30-230 mm via a simple-to-use seat post collar tightening mechanism. The 34.9 mm size reduces stresses on the dropper post internals and the frame, further aiding durability.



SRAM UDH

By now a standard on modern mountain bikes, the SRAM UDH hanger is easily available, aids shifting and is ready to work with the latest SRAM drivetrains.



Carbon or aluminium

The new eONE-SIXTY is available as a carbon CF or an aluminium LITE version. Carbon fibre allows us to create a lighter and stiffer frame (in particular due to the lack of battery cut out – more about that later), while aluminium delivers the same reliability and specification to riders less concerned by weight and on a tighter budget. Both have been developed side by side to optimise performance. The eONE-FORTY is available in aluminium only.



WIRE PORT

All cables, including gear, brake and dropper post cables, enter the frame through a specifically designed headset cover, creating a clutter-free cockpit and reducing cable rattle. The proven WIRE PORT system can be found on the majority of road, mountain, gravel and full-suspension bikes. We now use ACROS Block Lock headsets to prevent bar rotation from damaging the frame in a crash.



Frame protection

Additional frame protection such as foil, rubber chain stay guard, and down tube shield have been added and specifically placed to keep the bike looking good and reduce the impact and noise trail debris creates. For additional frame and rider protection, the optional long rear fender, as seen on the ONE-SIXTY, can also be fitted.



TRAIL MOUNT

To be able to fit additional tools and spares to the bike, we have added the TRAIL MOUNT to all eTRILogy frames. It provides an extra mounting point underneath the top tube.



Brake mount and axle standard

All our eTRIOLOGY bikes come standard with 148x12 mm Boost and 200 mm Post Mount direct rear brakes. The eONE-SIXTY comes with a 220 mm front rotor and the eONE-FORTY with a 200 mm front disc.



Tyre clearance

The eTRIOLOGY frames offer tyre clearance for up to 2.6" tyres, with the exception of the eONE-FORTY EQ, which can only accommodate 2.4" wide tyres due to the fender.



Rear shock details

The eONE-SIXTY has a 230x65mm rear shock and the eONE-FORTY has a 230x57.5 mm rear shock. Both frames are coil-over compatible.





Powered by Shimano STePS

CLASS-LEADING PERFORMANCE AND REFINED FEATURES

Shimano STePS power systems are a market leader in the world of e-bikes, offering smooth, reliable and highly effective pedal support power delivery, with the ability to pair various battery and control elements so we can create the perfect e-bike drivetrain.

One of the most influential and respected component manufacturers in cycling, Shimano put all their design and engineering power into the STePS line-up to deliver unparalleled reliability and connectivity through the e-tube project app. With a well-established global service network in the unlikely case that something goes wrong, they have world-class after sales backup and support.

With that in mind, we have equipped the new eONE-SIXTY and eONE-FORTY with the latest EP801 drive units, allowing us to provide our customers with the perfect motor, battery and component mix for each of our power-assisted e-full suspension bikes. The compact Shimano drive units offer the ability to build bikes with great geometry, offer class-leading performance and refined features.

The EP801 motor unit sits at the very top of the STePS motor hierarchy and is aimed at performance-orientated mountain bikers. Delivering a maximum torque of 85 Nm and a finely tuned motor set-up, the EP801 fits perfectly into our eONE-SIXTY and eONE-FORTY line-up. In comparison to its predecessor, the EP8, it delivers a maximum torque of 85 Nm with a higher peak power (600W rather than 500W), giving you more support during demanding riding situations. The weight has been reduced to 2.6 kg by using magnesium housing.

The battery size differs from model to model (more details about that below), but all models can increase their battery capacity by fitting a 360 Wh range extender.



Same spirit. Rider focussed.

UNIQUE SELLING POINTS



E-BIKE-SPECIFIC FAST KINEMATIC SUSPENSION

- + Flexstay design with completely symmetric seat stays (eONE-SIXTY CF and LITE only, eONE-FORTY features bearing design)
- + Size-specific leverage ratios
- + Kinematic allows the usage of coil shocks



AGILOMETER – THE RIGHT SIZE FOR ALL RIDING STYLES

- + Frame grows mainly in reach and wheelbase, while seat tube and head tube remain relatively close
- + Short head tube to allow flexibility in height
- + Right seat height on all frame sizes – thanks to the short, but straight seat tube and the innovative travel-adjustable dropper seat post fitted to most models
- + Rider can choose between frame reaches – depending on preference

PROGRESSIVE BUT BALANCED E-BIKE-SPECIFIC GEOMETRY

- + Steep seat angle: 78.4° (eONE-SIXTY CF and LITE)
- + Slack head tube angle: 64.4° (eONE-SIXTY CF and LITE)
- + Long reach for stability, short chainstays to keep the bike agile, and a steep seat angle so that the front end is planted when climbing, yet the top tube doesn't feel too long while pedalling on the flat
- + Easy switch between 29" and mixed 29/27.5" 'mullet' setup wheel thanks to a flip chip in the rocker



STORAGE SOLUTIONS

- + MERIDA V-Mount Multitool under the saddle
- + TUBE BASE PLATE / TUBE BASE PLATE CF
- + 4/6 mm Allen key lever on the removable rear axle lever





DURABILITY

- + Extra-long chainstay and seat stay protection
- + Additional clear protection foil inside carbon rear triangle
- + Long downtube protection on CF models
- + ENERGY-GUARD TWIST battery cover with built-in protection shield
- + Short fender to protect chainstay and cable exit
- + Possibility to add the short and long fender known from the ONE-SIXTY
- + Larger bearings for improved durability and stiffness
- + Tested to exceed ZEDLER Advanced+ for ASTM category 4

SILENT

- + Ribbed chainstay protector and additional seat stay protector
- + Noise-reducing cable routing through liners in the rear triangle, paired with cable clamps (cable claws) in the front triangle
- + Chain guide for all eONE-SIXTY and eONE-FORTY

EASY MAINTENANCE

- + Improved internal cable routing through liners in the rear triangle, paired with cable clamps (cable claws) in the front triangle, resulting in easy-to-replace and rattle-free cable placement
- + Easy access through the battery compartment on the LITE models
- + Focus on ease of service and interchangeability (e.g., SRAM UDH)

ASSURANCE

- + Approved for Category 4 - "All Mountain (AM) + Enduro"
- + Lifetime guarantee
- + Exhaustive testing of frames AND parts with ZEDLER Institute





eTRILOGY

E-bike adjusted FAST suspension kinematic, AGILOMETER sizing, progressive geometry and a long list of features are the similarities of our new eONE-SIXTY/eONE-FORTY range, but to create three distinctly different bikes for three specific user groups, we have added different flavours. We used different materials, implemented different sizes and styles of batteries and further fine-tuned them in order to perform in the three different scenarios described below. With our three new ranges, we have created our own eTRILOGY.



Three bikes to suit each kind of rider

One progressive platform for proven performance

One finely tuned kinematic for traction and control

One updated geometry for perfectly balanced handling between straight-line stability and climbing agility



eONE-SIXTY CF

Low weight, uncompromised handling, maximum power.

Full power assistance and range at mid-support weight. The new carbon-framed eONE-SIXTY CF is our race and performance-orientated e-bike. Key features are an all-carbon frame with a non-removable 600 Wh internal battery. By not offering a battery cut-out for battery removal and using sophisticated carbon lay-ups, we could massively increase stiffness and further reduce weight in comparison to the predecessor. The low overall weight, combined with the battery being positioned low in the downtube, it delivers maximum handling and manoeuvrability for when every second counts.





Moveability on the bike and agility are key

The eONE-SIXTY CF features beefed-up suspension to 170 mm front and 174 mm rear travel and offers mullet wheels across all sizes - as the performance-orientated CF is likely to be used on more extreme terrain where added moveability on the bike and agility are key (can be adapted to 29er on both ends - which reduces the rear wheel travel to 160 mm).



more than

50%

capacity increase compared to the predecessor



Internal non-removable battery

The internal non-removable battery features 600 Wh capacity that can be increased by the 360 Wh range extender. This is a capacity increase of more than 50% compared to the predecessor.



The key points of the eONE-SIXTY CF



Performance-orientated rider and hardcore racer.

The eONE-SIXTY CF is for the performance-orientated rider and hardcore racer who puts in a lot of effort on top of the motor assistance and values handling agility and low weight over outright battery range. The rider likes to take on the toughest climbs and descents during training sessions and push the bikes to their limits in e-enduro races and demanding enduro runs.

Full carbon frame featuring e-bike-specific FAST suspension kinematic



Top-end performance over max battery range focus



Integrated, non-end-user removable 600 Wh battery, option to fit a 360 Wh range extender



Lightweight due to material and the absence of a battery cut-out, with handling optimised battery positioning. The weight of the frame can be significantly reduced compared to a frame with a battery cut-out. Reduced wall thickness reduces weight and eliminates the need for a separate battery cover.

Important geometry updates, AGILOMETER sizing introduction and travel increase

Mullet wheel setup as standard, but easily converted to full 29er setup



PROGRESSIVE E-BIKE ADJUSTED GEOMETRY:
 HA 64.4 / SA: 78.4
 Reach (m): 459 mm
 Inspired by the ONE-SIXTY
 HA 64.0 / SA: 79.0
 Reach (m): 470mm

AVAILABLE MODELS eONE-SIXTY 10K, eONE-SIXTY 7000 and eONE-SIXTY 6000





Deliver great value while maintaining stiffness and durability

By using aluminium for the entire frame, we are able to deliver great value while maintaining stiffness and durability even with the larger battery cut-out needed for the removable battery. Similarly to its carbon cousin, the eONE-SIXTY LITE also has increased suspension to 170 mm front and 174 mm rear travel and comes with mullet wheels setup across all sizes for maximum 'steep terrain performance' and agility. Via the Flip Chip, the wheel configuration can be adapted to 29er on both ends, which reduces the rear wheel travel to 160 mm but does not affect the geometry.

By combining the bigger 750 Wh battery with a 360 Wh range extender, the battery capacity increases almost 80% over the current outgoing 630 Wh version – making the eONE-SIXTY LITE the perfect bike for long and demanding e-bike outings. An improved ENERGY-GUARD TWIST perfectly protects the battery and makes the tool-free access quick and simple.



eONE-SIXTY LITE

Range is king. Full power, all the time.

The new all-aluminium eONE-SIXTY LITE is our max range e-bike. It perfectly combines trail performance and handling with maximum battery capacity.

The all-aluminium frame features the same geometry and suspension configuration as eONE-SIXTY CF, but at its heart, it has a 750 Wh removable battery that the 360 Wh range extender can further increase.

almost

80%

capacity increase compared to the predecessor





Values range over absolute handling ability and low weight.

Maximum range paired with race-ready handling are the key elements for the eONE-SIXTY LITE rider. To be able to do multiple demanding e-enduro sessions or challenging long-distance races, the rider requires top-end performance, but values range over absolute handling ability and low weight. And while the rider is not shying away from active riding style, the 'fun' factor is often the key ride objective rather than 'split-second race performance'.

The key points of the **eONE-SIXTY LITE**

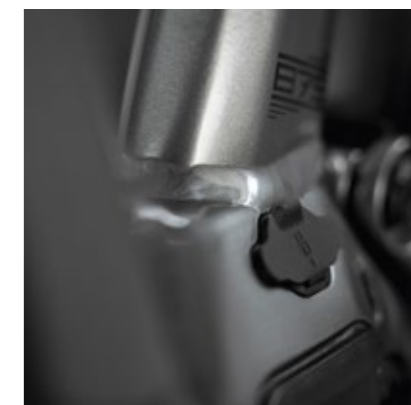
Full aluminium frame
featuring e-bike-specific
FAST suspension kinematic



Maximum range over
top-end performance and
low-weight focus without
making significant
handling compromises



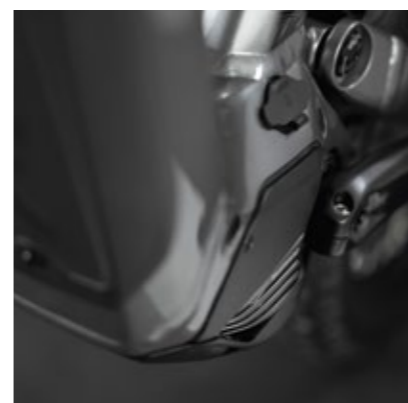
Integrated, end-user
removable 750 Wh battery,
option to fit a 360 Wh
range extender



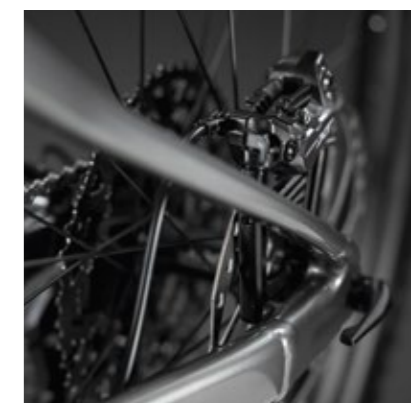
Mullet wheel setup
as standard, but easily
converted to full 29er setup



Durable yet lightweight
aluminium frame that,
despite the battery cut-out,
maintains its stiffness and
delivers out on the trail



Important geometry updates,
AGILOMETER sizing
introduction and travel increase



AVAILABLE MODELS eONE-SIXTY 875 and eONE-SIXTY 675





eONE-FORTY LITE

Any trail. Any place.

Moving in a slightly different direction from his long-travel cousins is the new all-aluminium eONE-FORTY. Based on the same main frame but with a rear pivot (rather than a flex pivot) rear end, the eONE-FORTY is our SUV e-bike.

At home in the urban jungle, as much as on weekend trail outings, the eONE-FORTY oozes versatility.

It simplifies the use of racks and rear guards to underlining the day-to-day versatility of the bike.

Similar to the eONE-SIXTY, its suspension travel has been beefed up to 150 mm at the front and 143 mm at the rear, and while it rolls on 29er wheels at both ends, the bike can easily be converted to a 'mullet' set-up via the flip chip. Rear wheel travel increases to 151 mm. The battery capacity of the easily removable internal battery is 750 Wh, which can be extended by 360 Wh.

In comparison to its 630 Wh predecessor, the overall battery capacity has increased almost 80%. The all-aluminium frame offers great value for money while maintaining stiffness and durability, even with the large cut-out in the downtube, which is needed to remove the internal battery. The eONE-FORTY does without the flex pivot at the back and relies on a more conventional bearing pivot on the seat stay to simplify the use of racks and rear guards, further underlining the day-to-day versatility of the bike. In line with the less aggressive demeanour of the bike, it comes equipped with non-piggyback shocks and, overall, lighter and more versatile specs.



almost

80%

capacity increase compared to the predecessor



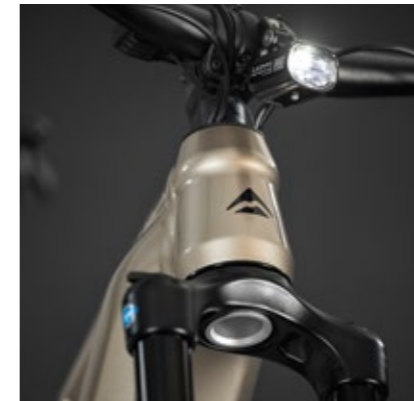


Looking for a reliable yet cool day-to-day workhorse.

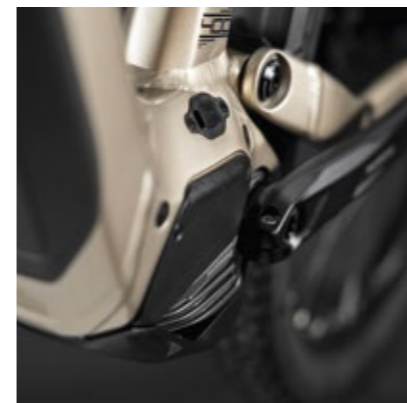
More and more riders are looking for a reliable yet cool day-to-day workhorse that serves as a commuter, shopping bike and general form of transport without wanting to give up the ability to enjoy the trails on their way from work or at the weekend. The eONE-FORTY delivers exactly that – versatility and fun. It is ideal for riders who value day-to-day versatility higher than top-end off-road performance. The ability for mudguards, racks, rear stand and lights to be easily fitted, as well as fully equipped EQ models being available as standard, further underlines the broad field of usage of our eONE-FORTY.

The key points of the **eONE-FORTY LITE**

Full aluminium frame featuring updated e-bike suspension kinematic closely related to the test and award-winning ONE-SIXTY and ONE-FORTY



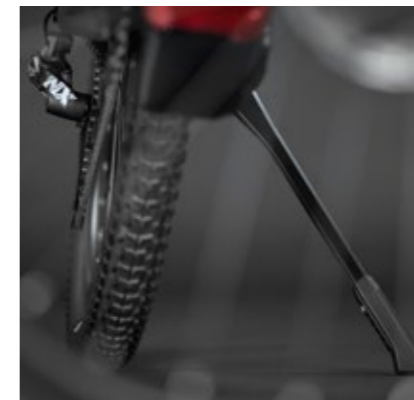
SUV e-bike versatility over top-end performance and low-weight-focus, without making significant handling compromises



Integrated, end-user removable 750 Wh battery, option to fit a 360 Wh range extender



Durable yet lightweight aluminium frame that, despite the battery cut-out, maintains its stiffness and delivers out on the trail



29er wheel setup as standard, but easily converted to mullet setup

Important geometry updates, **AGILOMETER** sizing introduction and travel increase



Ability to easily fit mudguards, racks, rear stand and lights for increased day-to-day versatility, with EQ models coming fully equipped as standard

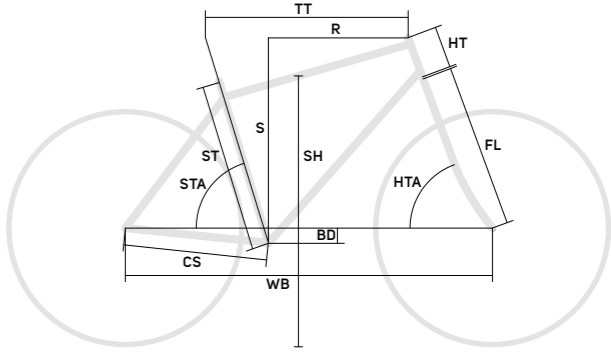
AVAILABLE MODELS eONE-FORTY 675, eONE-FORTY 675 EQ, eONE-FORTY 475, eONE-FORTY 475 EQ and eONE-FORTY 400







GEOMETRY DATA



eONE-SIXTY CF4 III

FRAME SIZE	XShort	Short	Mid	Long	XLong
TYRE SIZES	29/27.5"	29/27.5"	29/27.5"	29/27.5"	29/27.5"
ST SEAT TUBE [MM]	400	410	425	445	465
TT TOP TUBE [MM]	546	567	589	610	632
CS CHAIN STAY LENGTH [MM]	446	446	446	446	446
HTA HEAD TUBE ANGLE [°]	64.4°	64.4°	64.4°	64.4°	64.4°
STA SEAT TUBE ANGLE [°]	78.5°	78.5°	78.4°	78.4°	78.3°
BD BOTTOM BRACKET DROP [MM]	9	9	9	9	9
HT HEAD TUBE [MM]	100	105	110	115	120
FL FORK LENGTH [MM]	581	581	581	581	581
R REACH [MM]	419	439	459	479	499
S STACK [MM]	624	628	633	637	642
WB WHEEL BASE [MM]	1199	1221	1244	1266	1288
SH STAND OVER HEIGHT [MM]	776	770	765	760	755

eONE-SIXTY LITE IV

FRAME SIZE	XShort	Short	Mid	Long	XLong
TYRE SIZES	29/27.5"	29/27.5"	29/27.5"	29/27.5"	29/27.5"
ST SEAT TUBE [MM]	400	410	425	445	465
TT TOP TUBE [MM]	546	567	589	610	632
CS CHAIN STAY LENGTH [MM]	446	446	446	446	446
HTA HEAD TUBE ANGLE [°]	64.4°	64.4°	64.4°	64.4°	64.4°
STA SEAT TUBE ANGLE [°]	78.5°	78.5°	78.4°	78.4°	78.3°
BD BOTTOM BRACKET DROP [MM]	9	9	9	9	9
HT HEAD TUBE [MM]	100	105	110	115	120
FL FORK LENGTH [MM]	581	581	581	581	581
R REACH [MM]	419	439	459	479	499
S STACK [MM]	624	628	633	637	642
WB WHEEL BASE [MM]	1199	1221	1244	1266	1288
SH STAND OVER HEIGHT [MM]	763	757	751	749	744

eONE-FORTY LITE IV

FRAME SIZE	XShort	Short	Mid	Long	XLong
TYRE SIZES	29"	29"	29"	29"	29"
ST SEAT TUBE [MM]	400	410	425	445	465
TT TOP TUBE [MM]	543	564	585	607	628
CS CHAIN STAY LENGTH [MM]	449	449	449	449	449
HTA HEAD TUBE ANGLE [°]	66.5°	66.5°	66.5°	66.5°	66.5°
STA SEAT TUBE ANGLE [°]	79.7°	79.7°	79.6°	79.5°	79.5°
BD BOTTOM BRACKET DROP [MM]	35.5	35.5	35.5	35.5	35.5
HT HEAD TUBE [MM]	100	105	110	115	120
FL FORK LENGTH [MM]	557	557	557	557	557
R REACH [MM]	431	451	471	491	511
S STACK [MM]	616	620	624	628	633
WB WHEEL BASE [MM]	1191	1213	1235	1257	1280
SH STAND OVER HEIGHT [MM]	758	752	746	744	739



FAQ

Why would you choose an eONE-SIXTY CF over a light support bike?

Light support bikes do allow a low overall weight, but this comes at the expense of outright support and battery capacity. By pairing the full power EP801 drive unit with a 600 Wh battery, we get great support and good range. By making the battery integrated into the frame, we can still get the weight impressively low - even when using enduro-ready equipment rather than speccing to reduce the weight at the expense of performance. The 360 Wh range extender can then be used to turn this from a lightweight full-support bike into a full-support bike with an impressively high 960 Wh capacity with only an 2.9 kg penalty.

What are the benefits of a fixed battery?

A removable battery is great for convenience, but placing a large hole in the downtube from which you can remove the battery means that a lot of extra frame material is needed to reinforce it. By having a non-user removable battery, we can design a much lighter frame - the new CF frame is 800 g lighter than the previous one. Because less reinforcement is needed, the downtube can also be slimmer, giving a more pleasing look.

Does the bike come with a range extender?

No, the bikes do not come with the range extender, but it will be available separately from MERIDA national distributors that choose to stock it. This helps us keep the overall price of the bikes down, but gives an option for those that need more than the standard battery capacity.

Is the Trendpower battery warrantied by Shimano?

Yes, in most countries worldwide, Shimano will process any warranty issues with the Trendpower battery and Shimano components as one, rather than the customer having to deal with multiple brands.

Can I convert the eONE-FORTY to longer travel by changing the shock stroke and fork travel?

Yes, it is possible to increase the travel of the bike by moving from the standard 230x57.5 mm shock to a 230x65 mm shock as fitted to the eONE-SIXTY, with travel increasing accordingly. Fork travel should also be increased at the same time to prevent correct geometry. Save for the fact that the eONE-FORTY has a bearing pivot on the seatstay/dropout junction rather than a flexstay, the platforms also use the same pivot and bearing hardware, much of which is also shared with the ONE-SIXTY and ONE-FORTY range.

Do the bikes use a 1.8" tapered fork?

The bikes come as standard with a tapered 1.125-1.5" steerer forks, but it is possible to use forks with the new 1.8" taper standard by changing the lower frame cup and crown race. This part and all others are from ACROS, giving broad interchangeability of components and easy availability of spare parts.

The 1.8" lower cup can be found with ACROS part number: **51.02.620S-120**

The 1.8" crown race can be found with ACROS part number: **51.02.029-120-AM**





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