Getting Outdoors
People go on journeys, discover and explore – they experience adventure. For many people, a gentle electric support will make their future adventures a whole lot easier.

Inside the City
Towns, cities, urban spaces – places for making encounters. They define people and societies. eBikes are increasingly becoming an essential part of urban mobility.

Forward Thinking
A look into the future: How will we live, work, move around? There are so many things we are having to rethink.
We are constantly on the move. Whether we are commuting to work, going on a shopping trip, cruising through the city or going on holiday. Mobility is the pulse of the city – and the eBike has developed increasingly to an elementary component of urban and sustainable mobility in recent years. However, in addition to the practical use, it also represents much more: The pure enjoyment of discovery and adventure – experience your city on the move, like never before.

Expand your Life
#streetflow

In Uphill Flow, we push our boundaries, seek out new paths and master unexpected challenges. We achieve the seemingly unattainable. We concentrate on the essentials, act instinctively and have fun. Experience a feeling of flow when riding uphill that you only get from eMountain bikes. And the best thing: Everyone experiences it in their own way.

Expand your Flow
#uphillflow

Street Flow

Uphill Flow
Bosch eBike Systems
Overview

The on-board computer, drive unit and batteries harmonize like a well-drilled team. The perfectly coordinated combination between all of the components achieves a high degree of efficiency as well as comfort for the rider.

On-board Computers

On-board computers
Get the exact information and support as you need it. Purion displays all the basic information at the click of a thumb. Intuvia guarantees easy and intuitive control of your eBike and gives you a view of all riding data at all times. In conjunction with the app and the online portal eBike Connect, Nyon offers connectivity for the next generation.

Batteries

Whether for relaxed cruising, your daily commute to work or ultimate Uphill Flow – we offer you exactly the right battery for your requirements. PowerTube and PowerPack impress with their high energy density, great mileage, long service life, light weight and they are all easy to handle. With the new Bosch PowerTube 500, you’re riding in style.

Drive Units

The drive unit of the Bosch eBike system is available in the Active Line, Active Line Plus, Performance Line Cruise (25 km/h), Performance Line Speed (45 km/h) and the Performance Line CX variants. Whether in the flow through the city, on trails or alpine terrain: With proper support, each tour becomes your very own personal, inspirational eBike moment.

On-board Computers

Purion
The compact on-board computer is a display and control unit in one and is the perfect device for all those who wish to focus on the essential information. The display provides a clear overview of the charging status, speed, riding mode, range, trip distance and total distance.

Intuvia
Intuvia offers optimized operating comfort. Handling is self-explanatory and the display is clearly visible, even in sunlight. This gives you a view of all riding data at all times. Intuvia reliably informs you about speed, distance, riding time and the current range. The separate control unit enables the Intuvia to be operated effectively using your thumb.

Nyon
The Nyon all-in-one on-board computer combines navigation, eBike control, riding data and so much more in a single device. You can use the eBike Connect app to connect Nyon to your smartphone via Bluetooth. You can create your own personal, networked, interactive eBike experience on the eBike-connect.com online portal.

Drive Units

Active Line
The power of the Drive Unit Active is delivered smoothly, offering a natural riding sensation. Even crossing the 25 km/h boundary is possible with minimal pedal resistance. The very quiet motor supports the rider with up to 50 Nm and is also available with a backpedal function.

Active Line Plus
The quiet drive unit provides just the right support for relaxed riding enjoyment up to a maximum of 25 km/h. With minimal pedal resistance, the rider reaches the destination even faster. Weighing only approx. 3.9 kg, the drive unit provides low overall weight and is also available with a backpedal function.

Performance Line Cruise/Speed
The Performance Line delivers the right amount of support at the right moment, guaranteeing even more riding enjoyment. The finely balanced system facilitates top performance and a sporty riding style up to 25 km/h with the Drive Unit Performance Cruise or up to 45 km/h with the Speed variant.

Performance Line CX
Setting the standard for sporty terrain and on the mountain. With a maximum torque of 75 Nm, the Performance Line CX offers sporty, dynamic acceleration, even over alpine terrain. The drive for the ultimate Uphill Flow.
NEW

PowerTube 500
With the PowerTube 500, Bosch offers a battery that fits perfectly inside the frame and that can be installed horizontally or vertically. The minimalistic design gives bicycle manufacturers new options for integration in the frame. The battery is concealed and perfectly protected by the frame. A convenient function means that the battery pops approx. 2 cm out of the frame when unlocked, making it easier to take hold of.

PowerPack 300/400/500
Whatever you are planning – Bosch has just the right battery for your needs. The Bosch PowerPack 300, 400 and 500 are available as frame or rack batteries. The lightweight lithium-ion batteries are easy to install and remove. The PowerPack can also be charged on the eBike via the charging socket.

DualBattery
Ideal for tour bikers, long-distance commuters and cable bikers. The combination of two Bosch batteries delivers up to 1,000 Watt hours. The manufacturer can combine PowerPack 400 and 500 or PowerTube 500.

Batteries

New Features 2018

Active Line
The new Active Line is the smallest and lightest drive and is ideal for anyone who wants moderate support during routine cycling trips. Experience harmoniously dosed acceleration with a quiet drive. It is designed for optimum integration in the bicycle frame.

Active Line Plus
The new, versatile Active Line Plus is the ideal companion when you want to discover new places and expand your eBike excursions beyond the city boundaries. This quiet, small yet powerful drive unit is the best in its class and offers a significant plus in riding enjoyment, as well as improved handling due to its low weight and reduced size.

PowerTube 500
With the PowerTube 500, Bosch offers a battery that can be fully integrated in the bike frame and that can be installed horizontally or vertically. The PowerTube combines modern design with high-quality Bosch technology, for e-bikers who are committed to a clean and timeless look. When unlocked, the battery pops out of the frame by about two centimetres and can be easily gripped. A safety catch prevents the battery from falling out. The battery is also optimally protected by the frame.

PowerPack 300/400/500
Whatever you are planning – Bosch has just the right battery for your needs. The Bosch PowerPack 300, 400 and 500 are available as frame or rack batteries. The lightweight lithium-ion batteries are easy to install and remove. The PowerPack can also be charged on the eBike via the charging socket.

DualBattery
Ideal for tour bikers, long-distance commuters and cable bikers. The combination of two Bosch batteries delivers up to 1,000 Watt hours. The manufacturer can combine PowerPack 400 and 500 or PowerTube 500.

Chargers

Compact Charger and Standard Charger
Bosch chargers are handy, lightweight and robust. The closed housing means that the chargers are stable and dirt-resistant. The 2A Compact Charger is about 40% smaller and fits into any bike bag. The 4A Standard Charger fully charges PowerPack 500 in only approx. 4.5 hours. Whatever you are planning, the right Bosch charger will apply your eBike with energy, getting you back in the saddle again in next to no time. All Bosch chargers also work with the new Bosch PowerTube 500.

eMTB mode
A mode for e-mountain bikers: the eMTB mode replaces the previous Sport mode of Performance Line CX and switches between the Tour and Turbo riding modes. Depending on the pedal pressure, the progressive motor support automatically adapts to the individual riding style. This provides for a natural riding experience and maximum performance on the trail.

eShift
The integrated, electronic eShift gear shifting solution ensures greater riding comfort, enhanced safety, a longer range and reduced wear. eShift is available for Active Line, Active Line Plus, Performance Line and Performance Line CX. For example, new this year: eShift especially for sporty eBikes with derailleur systems.

Nyon
With new maps, new features for route planning, altimeter preview, battery usage and an improved display of the rider’s own sporting performance, Nyon is once again setting standards.
Product Finder
Which is the best Bosch eBike system for me?

1. Riding style
What riding style do you normally adopt and what type of terrain do you usually ride your eBike over?

2. Product line
Now find a product line that best suits you.

3. On-board computer
Choose the right display for you depending on the functions you require.

The riding sensation
Bosch offers various product lines to meet the individual needs of riders. The result is a unique riding sensation.

Active Line
- Extremely sporty riding over challenging terrain on dirt tracks.

Active Line Plus
- Comfortable riding or commuting, mainly on paved roads and cycling tracks with moderate slopes.

Performance Line
- Sporty riding and longer distances, predominantly on paved paths and roads.

Performance Line Cruise
- Relaxed riding or commuting on paved roads or cycling tracks with everyday usage.

Performance Line CX
- Gentle
- Comfortable
- Dynamic
- Sporty

Additional features
- eMTB mode
  The eMTB mode replaces the previous Sport mode of the Performance Line CX and switches between the Tour and Turbo riding modes for a natural riding sensation and maximum performance on the trail.

- eShift
  The integrated electronic gear shifting solution for anyone who wishes to focus on the essentials while eBiking.
4. Batteries and range

For Bosch rechargeable batteries, the following graphics provide an overview of the range as a function of a variety of conditions:

(The values below show the average when combining all four riding modes and various conditions.)

PowerPack 300

PowerPack 400

PowerTube 500 and PowerPack 500

DualBattery 1000

Based on two Bosch batteries of 500 Wh.

The range of Bosch rechargeable batteries depends on numerous different factors. Your range is influenced by you as a rider and, for example, your chosen support mode, as well as the drive or battery installed in your eBike. In addition, there are environmental factors such as temperature, wind conditions or surface that play a key role in determining how far you will go. You can use our Range Assistant to calculate a typical range under various conditions. The online tool will show you important information on battery range in a visually appealing way.

Range Assistant

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Range

Total weight

- Add together your body weight
- bike weight
- luggage weight (backpack, mobile phone, wallet, etc.) and enter the result in kilograms.

Cadence

- Enter roughly how many times you turn the crank on average per minute.

Cycle type and position

- Choose your bike and the corresponding position.

Tyre tread

- What tyres are fitted on your bike?
- The typical tyre pressure is chosen to correspond to the area of application and the tyre type.

Drive

- Which drive is installed on your bike?
- Please note: In the case of Performance Line Speed, you can select a speed of up to 45 km/h.

Battery

- Which rechargeable battery is installed in your bike?
- If you have a DualBattery, please activate the DualBattery option. DualBattery combines any two Bosch rechargeable batteries.

Gears

- What gear shift is installed in your eBike?

Terrain type

- Uphill, hilly or flat as a pancake?
- Can you describe your tour?

Surface

- Gravel or good asphalt - what’s your chosen surface?

Starting frequency

- Stop and go:
- How often do you move off from a standing start?
- Level 1 = rarely,
- Level 5 = frequently

Wind conditions

- Calm or stormy?
- What wind conditions do you expect?

Calculate your approximate range using the Range Assistant at bosch-ebike.com/range

** eMTB mode was not taken into account when calculating the range.

** The ranges are typical values for new batteries, which may decrease if one of the conditions listed deteriorates.

*** No additional connected electrical components, e.g. light.
Active Line
Discover the City

Urban mobility in modern design: The new Active Line is the drive unit for anyone who places great value on an elegant look. Due to its compact size, the drive unit can be integrated optimally into the bicycle frame. Its reduced weight and low centre of gravity also provide for safe handling. Without disturbing extraneous noises, you experience pure riding enjoyment – gently supported up to 25 km/h. And anyone who wants to go faster will benefit from minimal pedal resistance above 25 km/h. The Active Line is also available with a backpedal function.
The new Active Line is also available with a backpedal function.

**NEW Range**

- 20
- 40
- 60
- 80
- 100
- 120
- 140
- 1600
- 300
- 400
- 500

**DualBattery Batteries**

- 1000

- 180 km

**Bosch eBike Systems 2018**

▶ Easy handling: Due to the low weight and the low centre of gravity.
▶ Relaxation on tour: The intelligent 3-sensor concept of the drive unit takes more than 1,000 measurements per second to ensure a harmonious power characteristic.
▶ Award-winning design: Bosch sets new standards with flowing shapes and harmonious lines. The new Active Line has already won the Red Dot Design Award.

**Smart support**

Experience a relaxed and safe riding sensation with harmonious support from the quiet Active Line. It provides just the right support, up to 40 Nm, for relaxed riding enjoyment up to a maximum of 25 km/h. The pedal resistance is minimal even above this speed or when switched off. Weighing only 2.9 kg, the drive unit is the smallest, lightest and most elegant system in the Bosch eBike product family. Benefit from riding enjoyment and maximum comfort.

**The facts**

- Quiet cruising: A lightweight, quiet Bosch motor provides even more riding enjoyment without annoying extraneous noises.
- Carefree cruising: The innovative drive concept allows a very light drive unit, weighing only 2.9 kg.
- Unique riding experience: Experience harmonious acceleration with minimum pedal resistance when switched off or at over 25 km/h.
- Clean eBike look: The new Drive Unit Active is 25% smaller than before and, thanks to its compact size, allows improved integration within the bicycle frame.

**Active Line Highlights**

- **Maximum torque**: A maximum torque of up to 40 Nm ensures gentle supporting acceleration.
- **Max. drive**: Gentle support, perfect for city trips.
- **Drive unit**: Moderate support for greater mobility in everyday use up to a maximum of 25 km/h.
- **Backpedal function**: The Active Line is also available with a backpedal function.

**Range**

- 0 km
- 20 km
- 40 km
- 60 km
- 80 km
- 100 km
- 120 km
- 140 km
- 160 km
- 180 km

**Batteries**

- 500
- 400
- 350
- DualBattery
- 1000

Average of combined use of all four modes and favourable conditions.

**Technical details on page 64**
Active Line + Purion + PowerPack 300
Elegant and smart support

Relaxation on all trips: The new Active Line delivers moderate support while providing a particularly enjoyable riding sensation. It is the harmonious, smart drive for anyone who enjoys riding on paved roads or bike trails and wants to have carefree everyday excursions. The PowerPack 300 supplies the system with energy. The low weight of the drive unit makes your eBike lighter overall. The Purion on-board computer gives you all the essential information at a click of your thumb. Both hands remain safely on the handlebar.
Active Line Plus
Experience the Freedom

The new, versatile Active Line Plus is the ideal companion when you want to discover new places and expand your eBike excursions beyond the city boundaries. The quiet, small yet powerful drive unit weighs only 3.2 kg but provides smooth acceleration up to 25 km/h and plenty of riding enjoyment. With its low weight and reduced size, the Active Line Plus offers improved handling in all riding situations. The drive unit expresses an elegant lightness through its outstanding integrability into the bicycle frame. The Active Line Plus is also available with a back pedal function.
**Active Line Plus**

**At a glance**

- Optimal support for an excursion or tours, including beyond city limits
- This quiet, small yet powerful drive unit offers a plus in riding enjoyment, as well as improved handling

**The drive unit for explorers**

Look forward to new places and their histories – and enjoy the allure of the unknown. The especially quiet Active Line Plus eBike drive was designed for little adventures like this. Without disturbing extraneous noises, you gently cross the 25 km/h boundary with minimal pedal resistance. Powerful 50 Nm support the rider on voyages of discovery after work or on weekends. Three sensors that record your riding data more than 1,000 times per second are responsible for the harmonious riding sensation. This, combined with the lighter weight and reduced size, means the drive unit can be integrated perfectly into the bike frame so that you get even more enjoyment from eBiking.

**The facts**

- Carefree riding experience: The innovative drive concept impresses with its very light weight of only 3.2 kg.
- Pure riding enjoyment: The quiet and reliable Bosch motor provides gentle support on all tours.
- Agile riding sensation: The drive unit provides gentle and reliable support for the rider through harmoniously balanced acceleration.
- Unique riding experience: Experience harmonious, agile acceleration with minimum pedal resistance when switched off or at over 25 km/h.
- Outstanding support: The intelligent 3-sensor concept of the drive unit takes more than 1,000 measurements per second to ensure a harmonious power characteristic.

**Active Line Plus Highlights**

- **Max. torque**: A maximum torque of up to 50 Nm ensures gentle acceleration.
- **Max. drive**: Sufficient support, perfect for city trips or relaxed tours.
- **Drive unit**: The right amount of support for greater mobility in everyday use up to a maximum of 25 km/h.
- **Backpedal function**: The Active Line Plus is also available with a backpedal function.

**Technical details on page 64**
Active Line Plus + Intuvia + PowerTube 500
The perfect combination for every day

Do you actively organise your leisure time, love discovering new places and exploring the unknown? Then the new Active Line Plus is your perfect companion. The small, agile and elegant drive unit provides support up to 25 km/h. The PowerTube 500 provides the power you need – and integrates stylishly into the bicycle frame, creating a pared-down, timeless look with long range for any trip of discovery. Intuvia offers additional operating comfort: the display supplies all bicycle data at a glance and is clearly visible, even in sunlight. The separate, ergonomically positioned control unit allows you to keep your hands on the handlebar at all times.

Active Line Plus + Intuvia + PowerPack 400
Convenient and durable, perfect for touring

Visiting friends, enjoying nature and fresh air or running errands carefree – the Active Line Plus supports you on all your trips. A harmoniously balanced sensor system that records your riding data more than 1,000 times per second is responsible for the comfortable riding sensation. The PowerPack 400 supplies the power you need. The light-weight lithium-ion battery is easy to install and remove or charge on the eBike via the charging socket. With Intuvia, the rider enjoys optimised operating comfort on all trips. The handling is intuitive, and the display can be operated using a separate unit when riding. Benefit from a comfortable combination that enriches your trips.
Performance Line
Feel the Adventure

Whether trekking, all-mountain riding or commuting: the sporty Performance Line is the perfect choice for ambitious riders. Benefit from a finely balanced system with a maximum torque of 63 Nm. The Performance Line transforms eBikers into explorers and adventurers. The powerful drive delivers the right amount of power at exactly the right moment. In a nutshell: the bike provides outstanding support in every situation to guarantee even more fun in the saddle – up to 25 km/h with the Drive Unit Performance Cruise or 45 km/h with the Speed variant.
Sporty riding

The Performance Line eBikes have character and deliver the appropriate amount of support at the right moment, guaranteeing even more riding enjoyment. The finely balanced system facilitates top performance and a sporty riding style – up to 25 km/h with the Drive Unit Performance Cruise or 45 km/h with the Speed variant.

The facts

- Off to a good start: With a torque of up to 63 Nm, full support is available even at a low cadence, ensuring powerful riding behaviour, especially when starting.
- 3-sensor concept: Three sensors measure the torque, speed and acceleration more than 1,000 times per second, ensuring perfect interaction between rider and eBike.
- Durable: Precise motor control and fast processing of the sensor signals for minimal noise and vibration. The safe chain run prevents chain derailment and incorrect loading and reduces wear.
- The right support in every situation: The five riding modes available on the Performance Line offer sporty dynamic support.
- Innovative gear shifting concepts: The integrated eShift solutions from NuVinci, Rohloff and Shimano change gear on the Performance Line electronically, while the automatic hub gear system from NuVinci or Rohloff provides support up to 45 km/h.
The Performance Line is our powerful all-round model. Ideal for commuting, taking the kids to kindergarten or going grocery shopping with the eCargo bike. The DualBattery 1000 achieves twice the range of a PowerPack 500 or a PowerTube 500 and is perfect for anyone who wants to enjoy greater freedom. Wherever you intend to ride, you will be sure to get there and back safely with support from the Performance Line and the intuitively operated Intuvia on-board computer. No waiting in traffic jams, no searching for parking spaces. Instead, plenty of fresh air and a good mood to accompany you along the way.

A meeting in the city in the morning, lunch in the park and a training session with friends in the evening – the Performance Line transforms normal days into exceptional experiences. You bring a new, exciting element of freedom into your life, while the PowerPack 400 provides you with all the power you need. The impressive dynamic drive provides powerful support both on flat and inclined terrain. Enjoy an unlimited eBike experience with the fully networked Nyon on-board computer.
With a maximum torque of 75 Nm, the Performance Line CX is the powerful drive for ambitious sportsmen and demanding eBikers. In eMTB mode, the rider receives the required power – always precisely at the right moment. eMTB mode can switch between Tour and Turbo. Experience up to 300% of perfectly dosed support, incredible dynamism and unique grip. Improved moving-off behaviour guarantees optimal support in all terrains and on any trail. Depending on the pedal pressure, the progressive motor support automatically adapts to the individual riding style. Changing support modes is not necessary. The rider can concentrate fully on the trail.
Performance Line CX

At a glance

- Our most powerful drive for your Uphill Flow
- Greater riding enjoyment on the flat and when riding uphill

The superlative among drive units

One step on the pedal and the power kicks in. Achieve a perfect symbiosis with your ebike. The judiciously dosed support provides even greater riding enjoyment in every situation and the Performance Line CX will not overheat, even during long ascents. Specially developed for sporty riding on mountainous terrain, eMTB mode raises eMountain biking on trails to a whole new level: it is no longer necessary to switch riding modes, giving riders optimum control and allowing them to focus on a thrilling riding experience. What more could you want?

The facts

- Direct Flow: Perfect support as soon as you step into the pedals. Moving off steep ascents is made significantly easier.
- Progressive Support: For a natural riding experience and optimal control. Depending on the pedal pressure, the progressive motor support automatically adapts to the individual riding style.
- No Trigger: More riding enjoyment with eMTB without switching modes. Changing support modes is not necessary in eMTB mode. The rider can concentrate fully on the trail.
- Trail Control: Improved control in difficult riding situations. Enables effortless riding and optimal traction in technical uphill passages or in the case of obstacles.
- Maximum Momentum: With a torque of up to 75 Nm. For sporty acceleration even in alpine terrain, without changing gear.
- More walk assistance power: From autumn 2017, you’ll get stronger support up to speeds of 6 km/h.

A mode for eMountain bikers

The eMTB mode replaces the previous Sport mode of the Performance Line CX and switches between the Tour and Turbo riding modes. With a maximum torque of up to 75 Nm, the motor dynamically supports the rider’s own pedal power by between 120% and 300%. Depending on the pedal pressure, the progressive motor support automatically adapts to the individual riding style. Completely without shifting gears the engine supports slight RPMs constantly with ideal performance. Starting on steep slopes is problem free and off-road riding is made significantly easier. This provides for a natural riding experience and maximum performance on the trail. The Tour and Turbo modes are retained.

eShift for eMTB

Derailleur system with Shimano XTR Di2 and Shimano Deore XT Di2 is the electronic gear shifting solution especially for sports usage, for example on eMountain bikes.

EX1

The combination of the Performance Line CX and the new SRAM EX1 shifter groupset turn sporty eMountain bikes into real climbing artists.
**NEW**

**eMTB Mode**
For the ultimate Uphill Flow

**Starting off in a new dimension**
For a powerful start uphill and in rough terrain. Improved moving-off behaviour guarantees optimal support in all terrains and on any trail. Moving off is made significantly easier. In eMTB mode, the rider receives the required power – always precisely at the right moment.

- Better dosage: Ensures maximum traction and control.
- Sporty starting: Perfect start-up behaviour as soon as you step onto the pedals.
- Improved dynamics: Enables effortless riding in technical uphill passages or in the case of obstacles.

**Performance Line CX + Nyon + eMTB Mode + PowerTube 500**
Well equipped for uphill riding enjoyment

However steep the incline or technically demanding the trail – the Performance Line CX adds a new dimension to eMountain biking and you reach a whole new range of destinations. In conjunction with eMTB mode, even the steepest incline becomes less daunting and the optimised modulation provides a more sporty start, unique dynamics and maximum performance on unpaved trails. With the PowerTube 500, you can experience the power of Uphill Flow into the high cadence range and benefit from sporty acceleration on long tours and up steep inclines. Enjoy the exhilarating feeling of an Uphill Flow and experience unadulterated riding enjoyment in the mountains. In combination with the Nyon all-in-one elike on-board computer, you can access all the information you need for your own personal, inspirational eMTB experience.
For me, Uphill Flow is the extension of the flow window through eMountain bike technology, now also for uphill riding.

Stefan Schlie
Runner-up Trials World Champion
eShift
Integrated gear shifting, relaxed riding

The integrated, electronic eShift gear shifting solution ensures riding comfort, safety, a longer range and reduced wear. With its partners NuVinci Cycling™, Rohloff and Shimano, Bosch eBike Systems has developed four electronic gear solutions that bring a whole host of benefits whether you’re on the road or trail. New this year: Rohloff E-14 Speedhub 500/14 and eShift with Shimano in two variants. The automatic gear for hubs or especially for eMountain bikes with the electronic derailleur systems Shimano XTR Di2 and Shimano Deore XT Di2. eShift offers an optimal solution for various applications and Bosch product lines.

Rohloff E-14 Speedhub 500/14 and eShift with Shimano in two variants. The automatic gear for hubs or especially for eMountain bikes with the electronic derailleur systems Shimano XTR Di2 and Shimano Deore XT Di2. eShift offers an optimal solution for various applications and Bosch product lines.

Select the required cadence and the NuVinci gear shifting system with eShift will switch to the best gear ratio fully automatically – even on inclines. This enables you to ride with a steady load and in an anticipatory style without getting out of breath due to an excessively high cadence.

- Adjustable cadence from 30 to 100 revolutions per minute
- Gear system: stepless
- Alternative manual shifting with nine gears
- Also suitable for speed pedelecs up to 45 km/h

A reliable hub gear that satisfies the most stringent demands and that is designed for mileage. Enjoy high gear shifting comfort, as well as fast and precise shifting and the certainty of always being in the right gear.

- 14 gears and 526% gear spread with integrated multi-shift function also for sporty eBikes
- Current gear indicated in the Bosch display
- Reliable hub gear, designed for maximum mileage
- Also suitable for speed pedelecs up to 45 km/h

Is Shimano with hub gear the right system for you?
Yes, if you wish to focus completely on the trip with your eBike and not on gear shifting. This system handles automatic gear shifting according to your cadence and pedal force.

- Current gear indicated in the Bosch display
- Reliable hub gear, designed for maximum mileage
- Also suitable for speed pedelecs up to 45 km/h
- 14 gears and 526% gear spread with integrated multi-shift function also for sporty eBikes
- Current gear indicated in the Bosch display
- Reliable hub gear, designed for maximum mileage
- Also suitable for speed pedelecs up to 45 km/h

Is Shimano with derailleur the right system for you?
Yes, if you prefer a sporty riding sensation but still want an electronic derailleur. You, the rider, have control over gear selection.

- Adjustable cadence from 30 to 100 revolutions per minute
- Gear system: stepless
- Alternative manual shifting with nine gears
- Also suitable for speed pedelecs up to 45 km/h

Is Rohloff the right system for you?
Yes, if you want to select your gears manually and appreciate the advantages of the quiet, nearly maintenance-free hub gear.

- 14 gears and 526% gear spread with integrated multi-shift function also for sporty eBikes
- Current gear indicated in the Bosch display
- Reliable hub gear, designed for maximum mileage
- Also suitable for speed pedelecs up to 45 km/h

Is NuVinci the right system for you?
Yes, if you wish to focus completely on the trip with your eBike and not on gear shifting. This system handles automatic gear shifting according to your cadence.

- Adjustable cadence from 30 to 100 revolutions per minute
- Gear system: stepless
- Alternative manual shifting with nine gears
- Also suitable for speed pedelecs up to 45 km/h

Is Shimano with derailleur the right system for you?
Yes, if you prefer a sporty riding sensation but still want an electronic derailleur. You, the rider, have control over gear selection.

- Adjustable cadence from 30 to 100 revolutions per minute
- Gear system: stepless
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- Adjustable cadence from 30 to 100 revolutions per minute
- Gear system: stepless
- Alternative manual shifting with nine gears
- Also suitable for speed pedelecs up to 45 km/h

Is Shimano with derailleur the right system for you?
Yes, if you prefer a sporty riding sensation but still want an electronic derailleur. You, the rider, have control over gear selection.
On-board Computers
Intelligence on your handlebar

The Purion, which focuses on the basics, the easy-to-operate Intuvia control centre and the fully networked Nyon ecosystem – three different Bosch on-board computers mounted on your eBike handlebar to provide exactly the right amount of support. Features include everything from a clear display of the most important riding data to optimized route calculations that are customized specially for your eBike.
Purion
Compact purist

You can focus on the essentials and get all important information at a click of your thumb: the Purion on-board computer operates with maximum efficiency and precision.

The facts
▶ Clearly arranged display: Charge status, speed, riding mode, range, trip distance and total distance.
▶ Outstanding readability: The backlit non-glare display allows you to read all riding data clearly.
▶ The optional interval display always reminds you when the eBike is next due for a service.
▶ Easy diagnostics: Specialist dealers can check the condition of your Bosch eBike system using the micro-USB port.
▶ Focusing on the basics: Five support levels, reliable operation using your thumbs, takes up very little space on the handlebar.

Riding modes at a glance

Purion offers the perfect riding mode for every situation. Choose between five support levels. When pushing your bike, a walk assistance feature activated in two settings provides assistance up to 6 km/h.

Turbo
Direct support at maximum power into the highest cadence ranges for sporty riding.

Sport/eMTB*
Direct, powerful support at maximum power into the highest cadence ranges for sporty riding, whether off-road or in urban traffic.

Tour
Measured support for long distances with a clear focus on long ranges.

Eco
Effective but gentle support, designed for maximum efficiency and long ranges.

Off
No support, Purion continues to display all the most important information.

Active walk assistance
With Purion, activate finely modulated support up to 6 km/h. The Purion can be activated in two settings for the greatest possible safety.

*The eMTB mode, which is especially conceived for the Performance Line CX, dynamically switches between the Tour and Turbo riding modes, offering progressive motor support for maximum performance on the trail.
Intuvia guarantees easy and intuitive control of your eBike. The display remains clearly visible under all lighting conditions. The separate control unit allows you to keep your hands safely on the handlebar and you are guaranteed a clear view of all riding data at all times. The shift recommendation feature makes sure you always pedal in the right gear; this preserves the battery and increases your range.

The facts
- Maximum ease of use: Easy operation via the separate control unit.
- Ideal for traveling: Even when removed from the eBike, all important information, such as the total distance, can be called up.
- Good readability under all lighting conditions.
- Charging station: Intuvia can charge devices such as your smartphone via the micro-USB port while you are on the move.
- The optional interval display always reminds you when the eBike is next due for a service.

Riding modes at a glance
Intuvia offers the perfect riding mode for every situation. Choose between five support levels. When pushing your bike, a walk assistance feature activated in two settings provides assistance up to 6 km/h.

- **Turbo**: Direct support at maximum power into the highest cadence ranges for sporty riding.
- **Sport/eMTB**: Direct, powerful support at maximum power into the highest cadence ranges for sporty riding, whether off-road or in urban traffic.
- **Tour**: Measured support for long distances with a clear focus on long ranges.
- **Eco**: Effective but gentle support, designed for maximum efficiency and long ranges.
- **Off**: No support, Intuvia continues to display all the most important information.

Active walk assistance
Even when you have to push your eBike, Intuvia makes it a comfortable experience. To further enhance safety for eBikers, the walk assistance function, which can be activated in one of two settings, provides the right amount of support up to speeds of 6 km/h.

*The eMTB Mode, which is specially conceived for the Performance Line CX, dynamically switches between the Tour and Turbo riding modes, offering progressive motor support for maximum performance on the trail.*
Always connected
Nyon forms part of an intelligent system. Connected to Bluetooth and Wi-Fi, the intelligent on-board computer synchronises with the eBike Connect smartphone app and the online portal ebike-connect.com to create the ideal conditions for a convenient, networked eBike experience: Nyon provides many individual options for route planning, the actual journey and evaluation of your activities, such as creating your own individual eBike profile.

Nyon is more than just an on-board computer for eBikes. Nyon offers eBike connectivity for the next generation in conjunction with the online portal and app. With new map material, a revised keypad layout, added features for route planning, altimeter preview, and an improved display of the rider’s own sporting performance, Nyon once again takes pole position among eBike on-board computers.

Compatible with
Connect your Way

Intuitive route changes
Use drag & drop to change your route in the portal and define new way points as well as starting points and destinations.

Energy consumption
Detailed information about the use of the batteries for reliable route planning.

Route planning
By navigating with the joystick on the map, you can explore your environment quickly and easily, finding your way about more efficiently.

DualBattery display
When DualBattery is used, the charging status of both batteries will be shown on the display.

Altitude display in the navigation screen
The preview of the altitude on your route will help you to maximise your resources and to get the best possible use from the support offered by the Bosch system.

New keypad layout
The destination input via the new digital keypad makes it easier to enter the four destinations or stopovers on Nyon.

eBike Connect smartphone app
You can use the eBike Connect app to connect Nyon to your smartphone via Bluetooth. You can modify settings, transfer routes or use additional premium functions for your own personal, networked interactive eBike experience.

eBike Connect online portal
You can monitor all the relevant information with ease on your tablet, smartphone or PC via the eBike Connect online portal. Data is transferred easily between the portal and Nyon via Wi-Fi. Direct link: ebike-connect.com
**Ride**

**Motor support when required**
Sporty or relaxed – select one of five different riding modes to suit your own individual motor support requirements. You can adapt driving modes individually using an additional premium function.

**Clear overview**
Whether time, speed, shift recommendation, range, distance or battery charge level – Nyon shows you all the most important information at a glance.

**Personalised user interface**
The Nyon user interface makes your Nyon even easier to personalise. Define your own personal cockpit by choosing from almost 30 different options and three suggested designs.

**Riding modes**
Select one of five different riding modes to suit your own individual motor support requirements.

- Walk assistance
- Off
- Eco
- Tour
- Sport(eMTB)*
- Turbo

*only for Performance Line CX

See page 45 for more detailed information on the riding modes.
See page 65 for technical information on Nyon.

**Navigation**

**Convenient route planning**
Plan your own routes using the portal, Nyon or the eBike Connect app or upload routes as GPX tracks to the online portal eBike Connect.

**Select route profiles**
You can choose between the fastest route, most picturesque route or a route for eMountain bikers, predominantly along dirt tracks. Alternatively, the shortest route can be calculated for S-Pedelecs.

**Stopovers**
Discover the most beautiful places along the route and include a maximum of eight stopovers when planning your eBike tours in the portal.

**Shortcuts**
In addition to a home address, a "Take me to work" function is also available – after saving an address at ebike-connect.com or on the app, you can navigate from Nyon using this shortcut.

**Storage space**
The 8 GB memory provides sufficient space for storing maps. However, you can continue navigating with a full memory: simply stream the required maps to the Nyon from your smartphone via Bluetooth.
Fitness

Training function
It doesn’t matter whether you are training for a competition or are an active, health-conscious enthusiast: Nyon provides all the relevant data in real time to motivate you while riding.

Fitness check
Nyon measures your pedal force and cadence to calculate how much power you generate and how much energy you burn. You can use a heart rate chest strap to obtain even more accurate values.

Online evaluation with eBike Connect
Visit the ebike-connect.com portal to see how effectively you have been training. The portal gives you a perfect overview of your current fitness and training level.

Smartphone Function

Personalised settings
You can use the eBike Connect app to enter tour destinations, for example, or modify the screen design according to your requirements. Attractive premium functions allow you personalise your eBike assistant in even more detail: purchase the premium function to modify riding modes or the topographical range.

Charging station for external devices
The micro-USB port enables specialist dealers to perform diagnostic tasks and can also be used to charge external devices, e.g. smartphones.

Messaging service
When the Nyon receives a new SMS, a pop-up notification appears on the display so that you can stay well informed without removing your hands from the handlebar, while your smartphone remains safely in your pocket. During a brief stop, you can then read and reply to new messages and reach your destination safely.
Batteries
Energy for more

Bosch PowerTube and PowerPack batteries are an efficient, long-life energy source and the most state-of-the-art ebike batteries on the market. They combine impressive mileage performance, a long lifetime and low weight with an ergonomic design and simple handling. The high-quality lithium-ion batteries have a battery management system that detects potential sources of error and protects cells from overloading.

DualBattery offers energy content of up to 1,000 Wh.

▶ No memory effect – The Bosch rechargeable batteries with lithium-ion cells can be briefly charged at any time regardless of their charging state. Interruptions of the charging process do not harm the battery. Complete discharge is not required.

▶ Minimal self-discharge – Even after prolonged storage, such as during the winter, it is possible to use the rechargeable battery without recharging it. This means Bosch rechargeable batteries do not need to be recharged after a long break in use. For longer storage, a charge status of approx. 30% to 60% is recommended.

▶ Long service life – Bosch rechargeable batteries are designed for many tours, miles and years of service. The intelligent, electronic Bosch battery management system (BMS) protects lithium-ion batteries from excessive temperatures, overcharging and deep discharge. The BMS checks every cell, extending the life of the battery. This makes the time from initial use to the need to replace a Bosch battery very long.

With the PowerTube 500, Bosch sets new standards and presents a pared-down, timeless look coupled with sophisticated technology. Thanks to compact dimensions and minimalistic design, the lithium-ion batteries, which can be integrated into the bike frame, open up new options for bicycle manufacturers. They can be installed either vertically or horizontally. The battery is perfectly protected by the frame. A convenient function means that the battery pops approx. 2 cm out of the frame when unlocked, making it easier to take hold of. With an energy content of approx. 500 Wh, the lithium-ion battery also lasts through extended tours. For its high energy density, the new battery weighing in at 2.8 kg is among the lightest on the market. The surface impresses with its classy, black anodised aluminium finish.

▶ Voltage: 36 V
▶ Capacity: 13.4 Ah
▶ Energy content: approx. 500 Wh
▶ Weight in the frame (horizontal/vertical): approx. 2.8 kg
▶ Dimensions: 349 x 84 x 65 mm
▶ Charging time: 50% charge approx. 2 h, full charge approx. 4.5 h

Compatible with Senso, Intuvia, Purion.
PowerPacks
Energy made to measure

The Bosch PowerPack 500 is the same size as and only slightly heavier than the PowerPack 400 but extends the range. The lithium-ion battery requires about two hours to charge 50% and the PowerPack 500 takes approx. 4.5 hours to charge with the Bosch Standard Charger. The PowerPack 300 and the PowerPack 400 are reliable and durable energy-storage devices without memory effect and with minimal self-discharge. Frame batteries are constructed so that the PowerPack sits close to the centre of your eBike, which provides greater stability. The rack batteries are often used on bikes with a low step-through. Regardless of where the battery is mounted, it can be easily removed and charged at the nearest power socket.

### PowerPack 500
- Voltage: 36 V
- Capacity: 13.4 Ah
- Energy content: approx. 500 Wh
- Weight: frame battery approx. 2.6 kg, rack battery approx. 2.7 kg
- Dimensions: 325 x 92 x 90 mm (frame battery), 372 x 122 x 80 mm (rack battery)
- Charging time: 50% charge approx. 2 h, full charge approx. 4.5 h

### PowerPack 400
- Voltage: 36 V
- Capacity: 11.0 Ah
- Energy content: approx. 400 Wh
- Weight: frame battery approx. 2.5 kg, rack battery approx. 2.6 kg
- Dimensions: 325 x 92 x 90 mm (frame battery), 372 x 122 x 80 mm (rack battery)
- Charging time: 50% charge approx. 1.5 h, full charge approx. 3.5 h

### PowerPack 300
- Voltage: 36 V
- Capacity: 8.2 Ah
- Energy content: approx. 300 Wh
- Weight: frame battery approx. 2.5 kg, rack battery approx. 2.6 kg
- Dimensions: 325 x 92 x 90 mm (frame battery), 372 x 122 x 80 mm (rack battery)
- Charging time: 50% charge approx. 1 h, full charge approx. 2.5 h
DualBattery
Twice the range

Just keep on riding. DualBattery is the perfect solution for tour bikers, long-distance commuters or cabby bikers. The combination of two Bosch batteries delivers up to 1,000 Wh and can be installed from any battery combinations* from the manufacturer. DualBattery is also possible in combination with PowerTube. The system switches intelligently between the two batteries during charging and discharging. DualBattery is suitable for long distances and heavy loads.

More range for long distances
- DualBattery permits an energy content of up to 1,000 Wh.
- Intelligent energy management control software charges both batteries.
- Connecting two batteries doubles the range of your ebike.
- The following connections are possible: Two PowerTubes, two PowerPacks or a PowerTube and PowerPack.*
- The Battery Management System also offers maximum protection for the DualBattery system against over-charging, undervoltage, overheating and short circuits as well as extending the service life of the batteries.

* DualBattery is not available in combination with a PowerPack 300.

For that extra mile
Perfect for commuters with a long journey to work or eCargo bike riders – also allows ambitious sports enthusiasts to go that extra mile.

Ranges for Performance Line Cruise

For those who need even more:

More for long distances
- DualBattery permits an energy content of up to 1,000 Wh.
- Intelligent energy management control software charges both batteries.
- Connecting two batteries doubles the range of your ebike.
- The following connections are possible: Two PowerTubes, two PowerPacks or a PowerTube and PowerPack.*
- The Battery Management System also offers maximum protection for the DualBattery system against over-charging, undervoltage, overheating and short circuits as well as extending the service life of the batteries.

* DualBattery is not available in combination with a PowerPack 300.

Chargers
Energy in an instant

Bosch chargers are handy, lightweight and robust. The closed housing means that the chargers are stable and dirt-resistant. The 4A Compact Charger is around 40% smaller and fits into any bike bag. The 4A Standard Charger fully charges the PowerPack 500 in only approx. 4.5 hours. Whatever you are planning, the right Bosch charger will supply your ebike with energy, getting you back in the saddle again in next to no time. Bosch chargers also work with the new Bosch PowerTube 500.

- Functional, robust and silent: An ergonomically shaped charging plug ensures easy handling while the device fits easily into a suitcase due to its extremely compact dimensions. The enclosed housing gives the charger extra stability and protection from dirt while the battery charges with minimal noise.
- Compact and lightweight: The Bosch ebike Charger is only about the size of a drink bottle and is also extremely lightweight at under 800 grams.

Compact Charger
The Compact Charger is the ideal charger for all ebikers who are constantly on the move. It weighs less than 600 grams and is 40% smaller than the Standard Charger – small enough to fit into any bike bag. The Compact Charger can be used with supply voltages of 110 to 230 volts and can also be used in the US and Canada as well as Australia.

Standard Charger
The robust, functional 4A Standard Charger is the fastest Bosch charger. The compact design and practical Velcro fasteners help when stowing away the charger. Like all Bosch chargers, it operates silently.
Safety comes first!

Bosch eBike Systems provides innovative and inspiring mobility solutions. For people who want to get around in a relaxed, sustainable and above all, safe manner. For people with a joy for riding.

**Solution:**
- The specialist dealer sets a regular service schedule with the aid of the service interval display.

**Risk:**
- **Distraction in traffic**
  - Distracted bicyclists are a risk to themselves and their environment. Entering text on a smartphone is particularly negative to riding behaviour.

**Solution:**
- Bosch offers the Nyon here. When the on-board computer receives a new SMS, a pop-up notification appears on the display, letting the eBiker keep both hands on the handlebar while the smartphone remains safely in the pocket. At the next stop, the rider can read and reply to the message on the mobile.

**Risk:**
- **Inadequate protection**
  - Only 60% of eBikers (up to 25 km/h) wear protective headgear while biking.

**Solution:**
- A helmet protects against injury. In-mold helmets offer good protection. During manufacturing, the shock-absorbing hard foam is injected directly into the outer shell.

**Risk:**
- **Faults on the eBike**
  - Lack of regular maintenance increases the safety risk.

**Solution:**
- The specialist dealer sets a regular service schedule with the aid of the service interval display.

**Risk:**
- **Inadequate energy**
  - Sufficient energy is a common cause of error with dangerous consequences.

**Solution:**
- Bosch batteries are among the most efficient on the market. Ranges of more than 120 kilometers are possible with single battery charge. DualBattery, combining two Bosch batteries, offers energy content of up to 2,000 Wh for long distances or steep climbs. Our Range Assistant is worth visiting to calculate a typical range under various conditions at bosch-ebike.com/range.

**Risk:**
- **Feeling unsteady on the bike**
  - Beginners and less experienced riders sometimes have difficulty with the ride characteristics of an eBike and the traffic rules.

**Solution:**
- Many specialist dealers offer rider safety training courses for this purpose. The Bosch eBike Systems website also provides helpful pointers for beginners. Find more information at: bosch-ebike.com/riding

Source:
- Sicherheitspotenzielle durch Fahrradhelm (Endbericht), Forschungsauflage an die HFC Human Factors-Consult GmbH, Sonderbericht für Straßenverkehrs-Mensch und Sicherheit Verkehr, 1602534, BfU-Zeichnung 2013, Herstellung: Institut für Straßenverkehr in Starnberg
**Questions and Answers**

- **Does Bosch produce its own eBike batteries?**
  - Bosch does not manufacture its own eBike batteries. As a provider of eBike systems, we work together with renowned bicycle manufacturers that develop Pedelecs. More than 70 well-known bicycle brands already use eBike systems with the “powered by Bosch” quality seal.

- **Which bike brands offer the Bosch eBike system?**
  - Bosch eBike Systems currently offers four product lines: the harmonious Active Line, the sporty Performance Line and the powerful Performance Line CX designed specially for eMountain biking. The Drive Unit Active and Active Plus provides support up to 25 km/h and is also available with an optional backpedal function. The drive unit for the Performance Line is available in the Cruise (up to 25 km/h) and Speed (up to 45 km/h) variants.

- **Is tuning allowed?**
  - No, tuning is not permitted. Using a tuning kit or manipulating your Bosch eBike system in any other way will invalidate your warranty and any warranty claims for the purchased bike. As a general rule, the system improperly will also reduce the service life and risk causing damage to the drive unit and battery. You may also endanger your safety and the safety of other road users as well as incurring high personal liability costs and even criminal prosecution as a result of accidents attributed to tuning. Bosch eBike Systems therefore asks that all riders and providers refrain from tuning eBikes.

- **Can a bike be retrofitted with the Bosch eBike system?**
  - For technical reasons, the Bosch eBike system is not available as a retrofit kit. A special frame is required to integrate the drive system in the bike. Bicycle manufacturers produce the frame specially for eBike systems. Bosch. We work together with more than 70 renowned bicycle manufacturers. You can find an overview here: bosch-ebike.com/brands.

- **Which parts of the Bosch drive system can riders repair themselves?**
  - If a wheel fitted with a Bosch drive system develops a defect related to our eBike drive, we recommend consulting a professional bicycle retailer specializing in eBikes. The retailer will have the right special tools such as a software diagnosis tool to identify the exact problem. Even ambitious bicycle repair enthusiasts may not be able to repair the defect and there is a significant risk that unprofessional repairs will compromise the safety of the overall system.

- **Battery repairs, cell replacement and “refreshing” the battery?**
  - “Many companies or internet-based service providers offer a battery repair, cell replacement or even battery “refreshing” service: are these solutions suitable for repairing defective batteries?”
  - Batteries manufactured by Bosch eBike Systems are finally tuned systems that require special expert knowledge to repair. A defective battery must always be replaced and then inspected by our service specialists. Opening or having a battery open can be dangerous: repairing our batteries unprofessionally can lead to functional impairments and unexpected thermal reactions. Opening or modifying the battery will void any warranty. This also applies for any other manipulations to the battery. If you have any questions about your battery, please always contact your local specialized retailer, who will get in touch with our service department.

- **How to order a battery for the Bosch eBike system online? Can I use it?**
  - If you have found a used battery for the Bosch eBike system online, can I use it? When purchasing used batteries, always make sure that they have not be damaged by their previous owner. Damaged batteries are occasionally available online but they pose a significant risk and can lead to dangerous malfunctions. Sometimes illegal or stolen goods are available online as well. If applicable, ownership of such goods cannot be acquired legally in accordance with § 935 BGB (Bürgerliches Gesetzbuch, German civil code).

- **Alternative replacement battery for the Bosch eBike system?**
  - “For technical reasons, the Bosch eBike system is not available as a retrofit kit. The software and hardware used for our eBike system are perfectly adapted to one another in order to guarantee maximum efficiency and safety. Only Bosch batteries can guarantee this level of safety.”

- **Alternative charger for the Bosch eBike system?**
  - “I would like to purchase a used charger for my eBike system. Is it possible?”
  - Our charger is adapted specifically to the Bosch eBike system and has the right software for charging and managing the Bosch battery efficiently. Using a different charger voids the warranty and may reduce the service life of your battery as well as cause other damage or malfunctions in your eBike system.

- **Purchasing a converted eBike?**
  - “I would like to purchase a used eBike. The previous owner said that he made a “few improvements to the eBike components.” What do you make of it?”
  - Our advice: Always decline offers of this kind. The Bosch eBike system is designed for maximum safety and durability, all system components are controlled and monitored by extremely complex software. Any intervention in the system design will almost certainly have a negative effect on performance. Possible consequences: The safety of the rider is endangered and the system may contravene statutory regulations.

- **What warranty periods apply to the Bosch eBike system?**
  - Bosch grants the manufacturer a warranty for the entire system. Please ask your retailer about the conditions of the relevant manufacturer.

**Service**

Bosch eBike Systems not only provides dealers with the right products, but also offers eBikers extensive and reliable service through our network of trained specialist dealers. This means that the customer can be rest assured of the best all-around support after purchasing the eBike.

**DiagnosticTool**

The DiagnosticTool, a professional diagnostics solution, enables the dealer to read and update the eBike data. Adjustments (e.g. activate/deactivate walk assistance or the light function) can also be made to the eBike without rendering the warranty or the CE mark void. For example, the DiagnosticTool enables the dealer to read and update the eBike data.

**Products to retrofit**

Bosch eBike Systems provides extensive and reliable after-sales service for your eBike. Many of our products can be retrofitted – so that your eBike system is always equipped with the components you want.

- On-board computer: All of our on-board computers are available as retrofit kits. Make a switch – for example from Intuvia to Nyon.
- Batteries: Do you want an additional battery for even longer riding enjoyment? All of our batteries can be purchased directly from your specialist dealer.
- Chargers: You can recharge your Bosch batteries quickly using our chargers. Standard and Compact Chargers are available from dealers.
- Alternative charger for the Bosch eBike system?
- Alternative replacement battery for the Bosch eBike system?

**Do you have a specific request? Please contact a Bosch eBike dealer near you.**

bosch-ebike.com/dealers
**Technical Details Drive Units**

<table>
<thead>
<tr>
<th>Gear type</th>
<th>Power</th>
<th>Drive torque (Nm)</th>
<th>Support level (%)</th>
<th>Maximum possible drive torque (Nm)</th>
<th>Capacity (Ah)</th>
<th>Weight approx. (kg)</th>
<th>Gear shift detection</th>
<th>Start-up behaviour</th>
<th>Max. support up to (km/h)</th>
<th>Backpedal function</th>
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</thead>
<tbody>
<tr>
<td>Active Line</td>
<td>250 W</td>
<td>2.9 kg</td>
<td>gentle</td>
<td>TURBO: 250</td>
<td>8.2 Ah</td>
<td>2.9 kg</td>
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<td>gentle</td>
<td>25 km/h</td>
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<td>2.9 kg</td>
<td>gentle</td>
<td>SPORT: 250</td>
<td>11.0 Ah</td>
<td>2.9 kg</td>
<td>no</td>
<td>gentle</td>
<td>25 km/h</td>
<td>no</td>
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<td>25 km/h</td>
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<td>&lt; 4.0 kg</td>
<td>yes</td>
<td>sporty</td>
<td>25 km/h</td>
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</table>

**Technical Details Batteries**

| PowerTube 500              | 350 W | 3.2 kg            | moderate          | TOUR: 100                        | 13.4 Ah       | 3.2 kg              | yes                 | dynamic             | 25 km/h               | no                   |

**Technical Details Chargers/Nyon**

<table>
<thead>
<tr>
<th>Charging time</th>
<th>PowerPack 300</th>
<th>PowerPack 400</th>
<th>PowerPack 500</th>
<th>PowerTube 500</th>
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<td>5.5 h</td>
<td>5.0 h</td>
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</tbody>
</table>

**Hardware facts**

- Transflective 3.9 inch TFT colour display (480 × 272 pixels, 16 million colours, 35 × 53 mm active area)
- 8 GB storage capacity
- 2-way keypad for intuitive operation of the Nyon on-board computer and the separate stand unit
- 3 buttons for speed, settings, light and horn
- Walk assistance button in the separate control unit
- Integrated high precision GPS module
- Integrated compass and high-resolution barometric pressure sensor
- Ambient light sensor automatically controls the brightness of the display day and night
- Integrated battery delivers power for approx. one hour in off-board mode; on board, it is charged via the eBike app
- Rugged and PLY waterproof when the USB cap is closed
- Temperature range –5 °C to +40 °C (operating) and –10 °C to +50 °C (charging)

**Connectivity facts**

- Wi-Fi connectivity for direct and convenient synchronisation (activity sync, map update, software updates) via your router or other access points
- Smartphone app for compatible smartphones: Android at least 4.0.2 and iPhone at least 5, 5S, 5C from iOS version 8
- Online portal (dashboard, activities, route planning)
- Bluetooth connectivity to compatible smartphones
- Bluetooth connectivity (Bluetooth 4.0) for heart rate chest straps such as Polar H7
- Micro-USB port for diagnostics by your dealer, for changing the Nyon battery and for charging external devices such as MP3 players and compatible smartphones

**Basic and premium package**

- Custom screens for ride and fitness display
- Individual riding modes
- Tracking
- Route planning with stopovers (onboard)
- Energy consumption display
- Route planning with points of interest
- New keypad layout
- 2D or 3D map view
- Moving map section
- "MTB mountain bike" route
- New maps
- Residual range view on map (topography)
- Topo range display
- Fitness (current training effect, heart rate, calories)
- Display of SMS receipt
- Import and export of GPX files
- Manual altitude calibration
- Service internal display possible
- eBike support
- Shift recommendation

**Premium package**

- Basic package (free of charge)
- Premium (available for in-app purchase)
- New features in basic package

**PowerPack 300**

- PowerPack 400
- PowerPack 500
- PowerTube 500
- PowerTube 500
- DualBattery 1000

**Charging facts**

- Charging current
  - 2.0 A
  - 4.0 A
- Voltage
  - 48 V
- Size approx.
  - 160 × 75 × 65 mm
  - 190 × 86 × 54 mm
- Cable lengths approx.
  - AC input 1.5 m, DC output: 1.0 m
  - AC input 1.5 m, DC output: 1.0 m

**Compatibility**

- Active Line / Active Line Plus / Performance Line / Performance Line CX
- Classic+ Line compatible via adapter plug (optional part)