

RIDE



UNLEASHED



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HYBRID CYCLING TECHNOLOGY

Hybrid Cycling Technology is a system that combines electric power with human power to produce a smart, natural and powerful E-bike riding experience. It's an integrated group of technologies that includes our RideControl and RideSight units, EnergyPak battery systems and SyncDrive motors.

SMART

Our E-bike handlebar units make it easy to switch between power modes and view critical ride data such as battery charge, speed, distance and GPS. You can use navigation features, record your ride, set fitness goals and view system data.

NATURAL

SyncDrive motors automatically detect pedaling cadence and force along with speed and motor rotation. The motor delivers power based on a rider's input and the chosen support mode. This pedaling support blends seamlessly with a rider's input, so it feels smooth and natural.

POWERFUL

Advanced motor technologies and battery systems help you ride farther and faster with less effort. Providing up to 360% additional support, we offer motors for every style of riding, from commuting and recreational riding to high-performance trail and road riding. Our EnergyPak battery systems give you long-lasting range, and smart charging technologies make it quick and easy to recharge.



SYNCDRIVE

SyncDrive Technology provides pedaling assistance that's synchronized with human input. It produces smooth pedaling power with a natural feel that is sonically tuned for quiet performance. The result is very predictable and responsive motor behavior that produces the same output pattern between the rider and the motor. This ensures there is no need to adjust your riding style to the motor behavior, which is the case with cadence-driven systems. You can ride like you normally do, but with more power



BEST SHIFTING PERFORMANCE

Another unique advantage of SyncDrive technology is its improved shifting performance. Because rider input and motor output are synchronized, there are moments in every cycle where the combined torque output is relatively low, which leads to reduced load on the drive system and a very smooth shifting experience.

SMART ASSIST

Smart Assist takes the thought out of changing E-Bike settings while riding, so you can focus entirely on enjoying the ride. It's almost like an auto transmission in a car, providing the appropriate support automatically. This intelligent system uses sensors and advanced algorithms to determine the optimum amount of power a cyclist needs. The result is an extremely smooth, natural, and enjoyable riding experience.

Smart Assist technology also maximizes efficiency for the bike's battery system, meaning the battery won't be using unnecessary energy. And since it provides the optimum amount of support for the rider, it also ensures rider efficiency too. In short, the Smart Assist technology enables you to think less and ride more.

**GIANT E-BIKES ARE AVAILABLE
WITH THREE DIFFERENT
SYNCDRIVE SYSTEMS**

SYNCDRIVE CORE

SYNCDRIVE SPORT

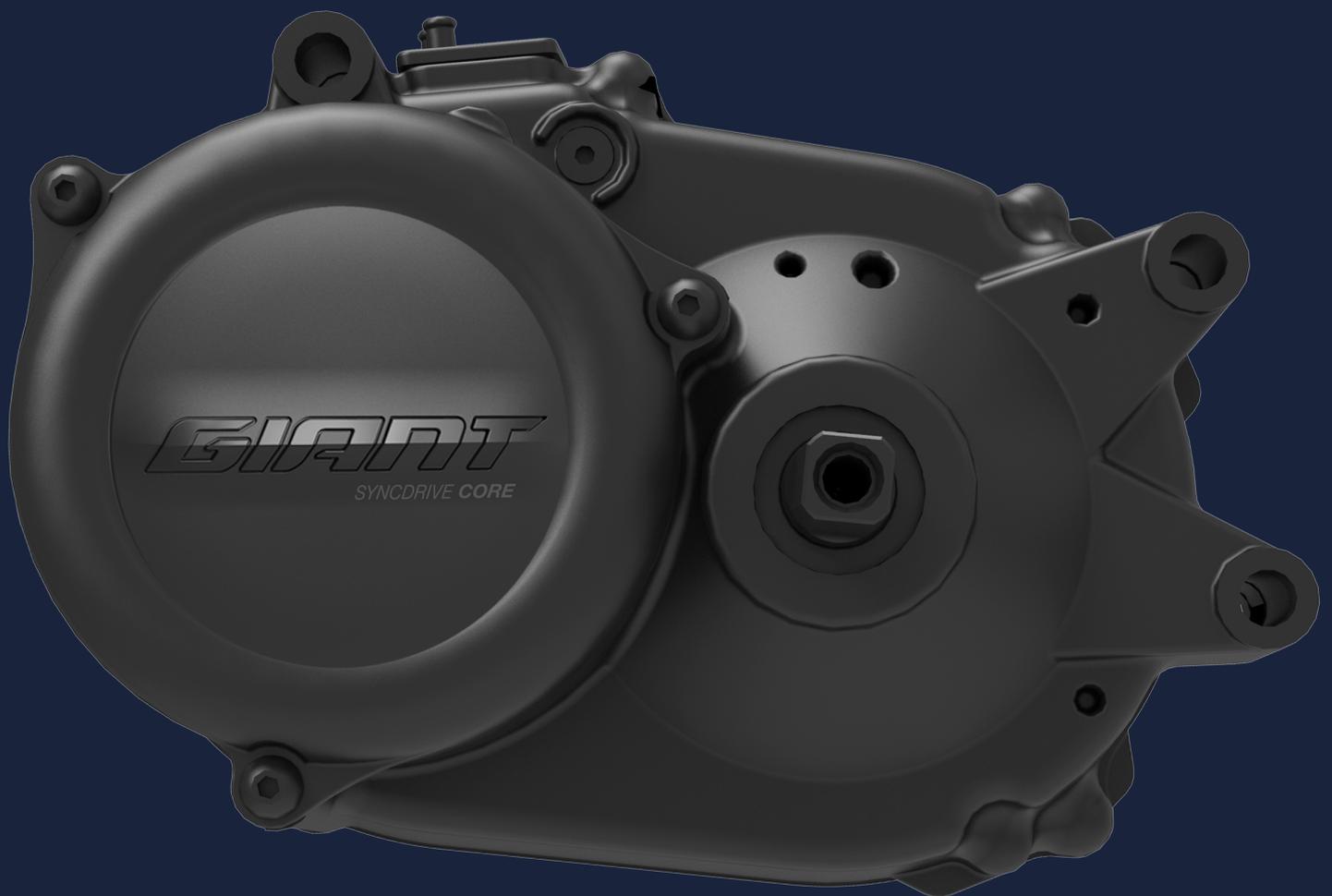
SYNCDRIVE PRO



SYNCDRIVE CORE

SyncDrive Core is a compact and lightweight motor, making it ideal for E-bikes used for daily transportation or recreation. It has Smart Assist technology, featuring six sensors including a slope detection sensor and an accelerometer. These sensors allow the motor to produce power based on rider input and the terrain, so there is no need to select a certain assist mode. You can simply ride the same way you normally would, but with more power.

The result is an extremely comfortable and natural riding experience. SyncDrive Core delivers a very quiet performance that's also powerful, with tunable support ratios up to 360 percent.



BENEFITS

COMFORTABLE

Smart Assist mode provides the perfect amount of power. This results in an extremely smooth and natural riding experience.

POWERFUL

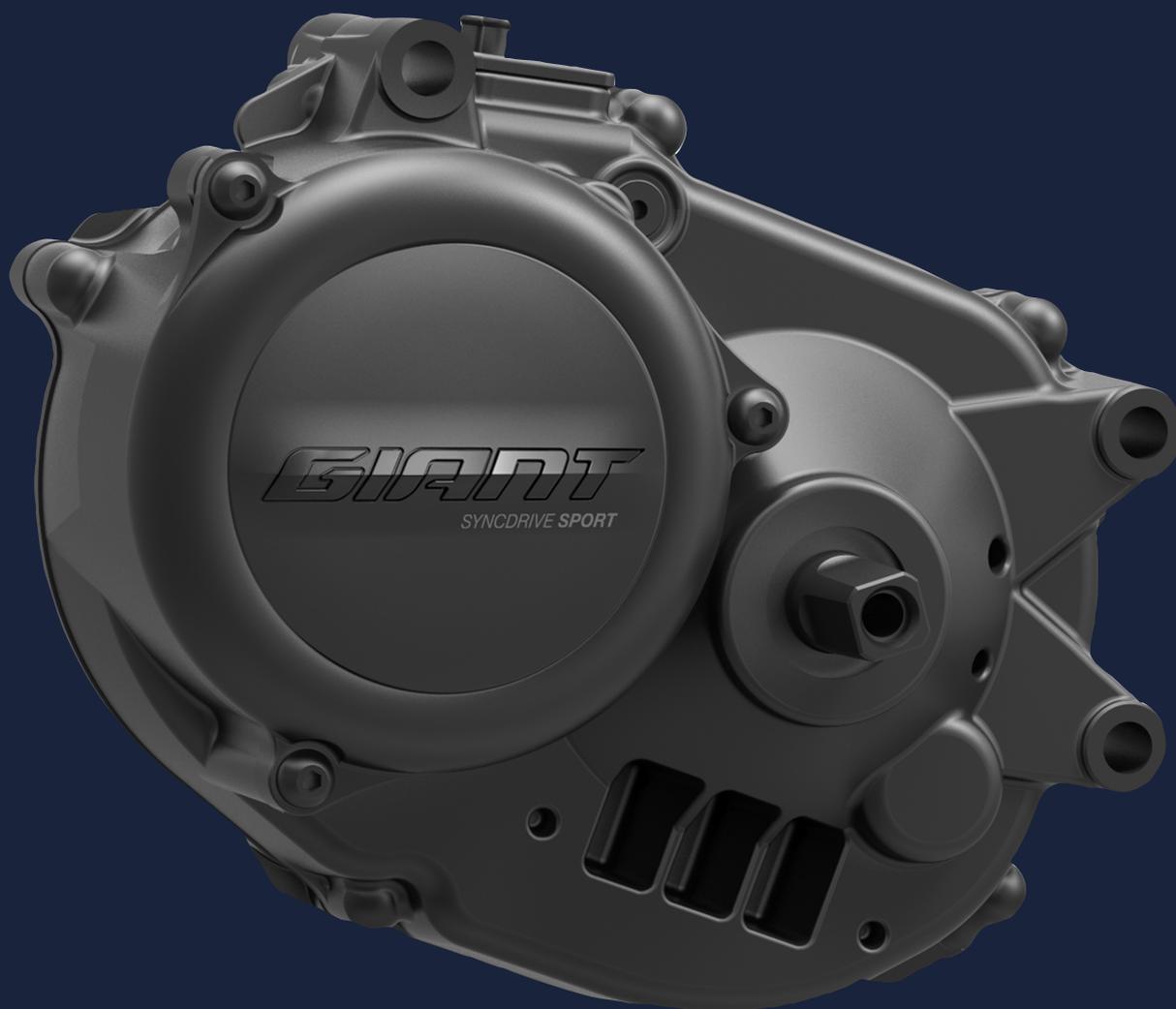
50 Nm of torque and a 360 percent support ratio delivers enough power to experience ultimate comfort.

QUIET

SyncDrive Core delivers a smooth, quiet riding experience.

SYNCDRIVE SPORT

The compact SyncDrive Sport motor has Smart Assist technology and is sonically tuned for smooth, quiet performance. It's an ideal choice for riders seeking a versatile, do-it-all E-bike experience. SyncDrive Sport delivers high power, even at low speeds. The Smart Assist technology calculates the amount of torque, cadence, slope and speed and, based on these calculations, determines the amount of motor output the rider needs. It feels more powerful due to its higher cadence support and faster ramp-up in torque.



BENEFITS

SMART ASSIST

Based on automatic calculations, this sensor determines the precise amount of power a cyclist needs. This results in an extremely smooth and natural riding experience.

TUNABLE POWER

Delivers high power up to 360 percent. The tunable support ratios offer more flexibility in riding preferences.

INSTANT RESPONSE

The motor engages instantly when power is applied to the pedals. This helps when accelerating and offers reliable performance on steep climbs and at low speeds.

SYNCDRIVE PRO

SyncDrive Pro has Smart Assist technology and is tuned to deliver a powerful, high-performance ride with improved assistance at higher cadences. Our most advanced motor system has 80Nm of power output and offers superior torque and support ratios up to 360 percent. This means that, in the Power mode, 100 percent of human torque input offers 360 percent pedal-assist. With the new and adjustable support ratios, the rider can decide what ratio they want the motor to provide. This offers more freedom in the way the motor reacts to rider input and how the E-bike rides and handles.



BENEFITS

SMART ASSIST

Based on automatic calculations, the 6-sensor Smart Assist technology determines the amount of power a cyclist needs. This results in an extremely smooth and natural riding experience.

INSTANT RESPONSE

Based on automatic calculations, this sensor determines the precise amount of power a cyclist needs. This results in an extremely smooth and natural riding experience.

TUNABLE PERFORMANCE

The rider can tune the support ratios for a more dynamic ride experience that matches every rider's individual needs. This is our most powerful motor technology with a massive 80Nm of torque and a 360 percent support ratio.

SYNCDRIVE MOTORS OVERVIEW

All of our SyncDrive motors have unique features and technologies that optimize your riding experience and make the pedaling support feel as natural as possible.



SYNCDRIVE CORE

SYNCDRIVE SPORT

SYNCDRIVE PRO

| | SYNCDRIVE CORE | SYNCDRIVE SPORT | SYNCDRIVE PRO |
|-------------------|---|---|---|
| FEATURES | Natural feel Smart assist mode Tuned for Nexus hubs | Natural feel 350% Support Smart assist mode | Natural feel 360% Support Most powerful sport |
| MAXIMUM TORQUE | 50 Nm | 70 Nm | 80 Nm |
| | 2.9 kg | 3.4 kg | 3.1 kg |
| SMART ASSIST MODE | Yes | Yes | Yes |
| MAXIMUM CADENCE | 100 rpm | 140 rpm | 170 rpm |
| AXLE | Four-square (JIS) | Four-square (JIS) | ISIS |
| | Axle width - 150mm | Axle width - 150mm | Axle width - 128mm |
| WALK ASSIST | Adaptive | 18.8 Nm | 60 Nm |
| | +/- 4.5 kph | +/- 4.5 kph | +/- 3.5 kph |



ENERGYPAK

Within Hybrid Cycling Technology we have two levels of EnergyPak technology—EnergyPak Smart and EnergyPak. We also offer the EnergyPak Plus range extender that helps prevent you from running out of power before reaching your destination.



GIANT E-BIKES ARE AVAILABLE WITH
THREE DIFFERENT ENERGYPAK SYSTEMS

ENERGYPAK SMART INTEGRATED

ENERGYPAK SMART COMPACT

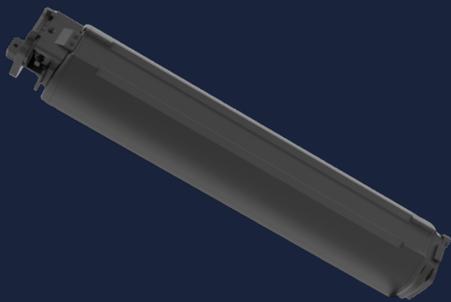
ENERGYPAK PLUS



ENERGYPAK SMART INTEGRATED

400/500/625 INTEGRATED BATTERY

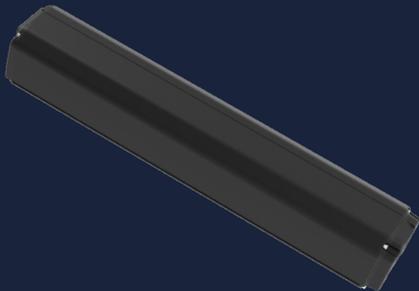
EnergyPak Smart is our most premium battery technology and is cleanly integrated into the frame. It has an advanced Battery Management System for continuous communication between the battery and charger for optimized charging performance. EnergyPak Smart batteries can charge up to 80 percent in 2.2 hours (for EnergyPak Smart 500). The EnergyPak Smart is compatible with our EnergyPak Plus range extender.



ENERGYPAK SMART COMPACT

500 INTEGRATED BATTERY

Our EnergyPak smart Compact has been upgraded to 500Wh. This will boost your range while maintaining the clean integration and looks.



ENERGYPAK PLUS

The EnergyPak Plus can boost total capacity by 250Wh. Just like our other smart batteries it has all the latest technologies combined with an up-to-date design that fits a selected number of bikes. This range extender provides peace of mind that you will always reach your destination, and it has smart technology so it automatically turns on when your battery loses power.



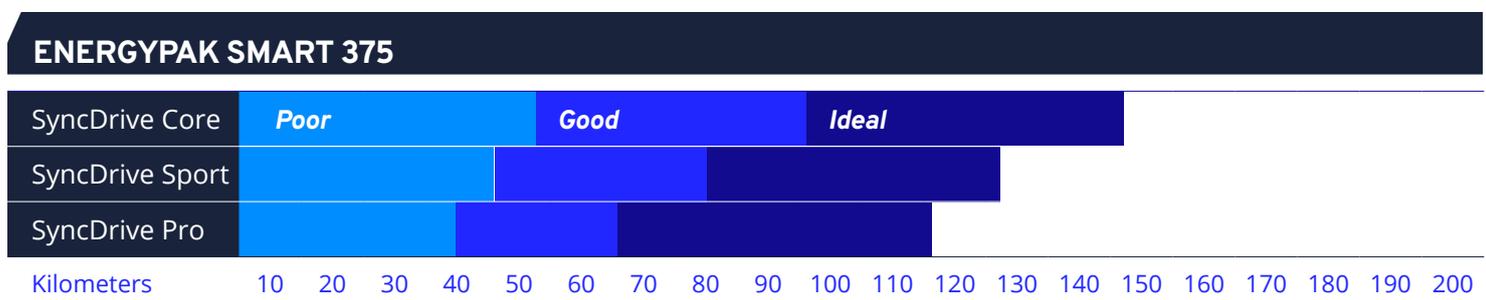
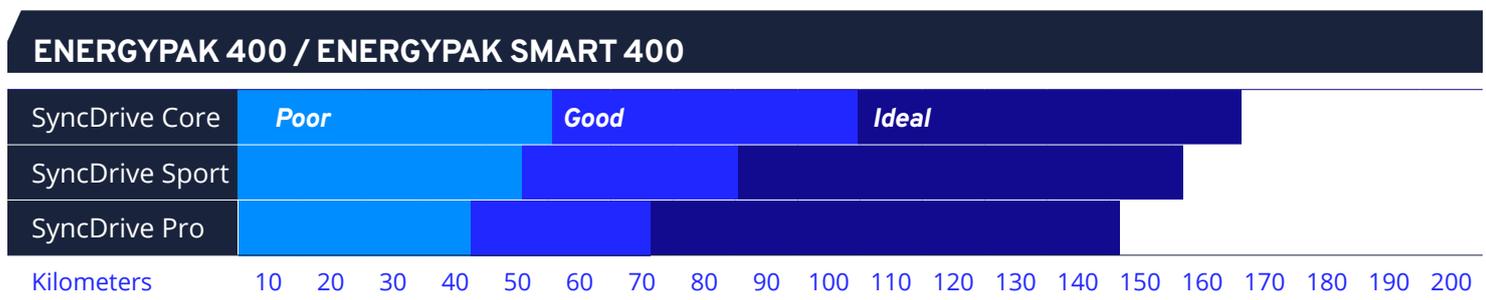
ENERGYPAK RANGE

What range can I expect to reach on my Giant E-bike?

The range on one charge varies greatly depending on several circumstances, such as:

- **OUTDOOR TEMPERATURE**
- **WIND RESISTANCE**
- **TIRE PRESSURE AND PROFILE**
- **TERRAIN ELEVATION AND SURFACE**
- **RIDER WEIGHT AND CARGO**
- **ACCELERATION**
- **E-BIKE MAINTENANCE**
- **BATTERY CONDITION**

The table below gives an approximate range. Conditions are categorized as poor, good or ideal. Poor conditions typically occur when riding with a heavy load, strong headwinds or excessive climbs.

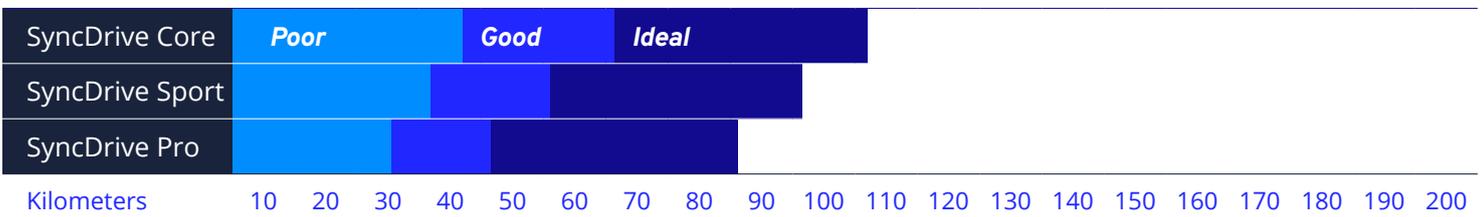


ENERGYPAK RANGE

ENERGYPAK 300



ENERGYPAK PLUS 250



ENERGYPAK CHARGER

Giant offers two EnergyPak Charger options, the Fast Charger and Smart Charger. Here's a look at each of them.

FAST CHARGER (3A/4A)

The 4A charger helps you charge your E-bike with greater ease. It's small and lightweight, so it's easy to carry, and it lets you charge your EnergyPak on or off the bike.



SMART CHARGER (6A)

The Smart charger is the fastest way to charge your EnergyPak and is compatible with our newest systems. Charging performance is 2.2 hours to charge 80 percent with an EnergyPak Smart 625. The Smart charger also helps extend battery life. When the EnergyPak is charged more than 500 cycles, this charger uses a lower voltage, so the cells are used in a less energetic way. Battery life is extended while total charging time remains the same. Switching between full charge and 60% storage mode can be done with the simple press of a button.



ENERGYPAK SMART

| | COMPACT | | INTEGRATED | | | PLUS |
|--------------------|--|--------|--|--------|--------|------------------------|
| FEATURES | Highest safety Longest lifespan Fastest charging | | Highest safety Longest lifespan Fastest charging | | | Removable Gear item |
| CAPACITY | 375 Wh | 500 Wh | 400 Wh | 500 Wh | 625 Wh | 250 Wh |
| WEIGHT | 2.9 kg | <3 kg | 4.1 kg | 4.1 kg | 3.8 kg | 1.8 kg |
| SMART CHARGING | | • | | • | | • |
| 0-80% CHARGE TIME | 1:40 h | 2:20 h | 1:50 h | 2:00 h | 2:30 h | 2:00 h |
| EP PLUS COMPATIBLE | | • | | • | | |
| STORAGE MODE | | • | | • | | • |

RIDECONTROL

Handlebar integration is one of the most important features on Giant E-bikes. We have updated our RideControl units with improved graphics and displays, better ergonomics and new features such as internal handlebar cable routing possibilities. Here's a look at the latest RideControl units.



RIDECONTROL ERGO

RIDECONTROL ERGO 2

RIDECONTROL DASH

RIDECONTROL ERGO

RideControl Ergo takes your E-bike riding experience to new levels with optimized controls and a clean handlebar layout. The robust buttons are designed to use in all conditions with a comfortable feel and grip. The controls are thoughtfully designed with new LED lighting that shows your battery level and support. An updated feature on our Pro level E-MTBs makes RideControl Ergo compatible with the new RideDash Evo, which has a smaller connector for internal cable routing through the handlebar.



FEATURES

SMART INTEGRATION

Smart, minimalist technology and design featuring integrated control buttons that are compatible with the Giant RideControl E-bike App.

EASY TO USE

With only a few button controls and indicators, it offers simple control of your E-bike.

MULTIFUNCTIONAL

Connected with the Giant RideControl E-bike App, the RideControl ONE features a variety of functions such as motor tuning, fitness data and navigation.



RIDECONTROL ERGO 2

The RideControl Ergo 2 is a new remote that is optimized for city and trekking bikes that don't have handlebar-mounted levers for a front derailleur or dropper seatpost. It's optimized for ergonomics, with larger buttons that are easy to reach. LEDs indicating battery level and support mode make it a standalone control unit that doesn't require a display. And a smaller 6mm connector makes it possible to have internal handlebar cable routing.



FEATURES

- WIRED CONNECTION FOR EASE OF USE AND RELIABILITY
- NEW INTERNAL CABLE ROUTING
- USB CHARGER
- UNDER-BAR REMOTE FOR OPTIMIZED ERGONOMICS
- SMART ASSIST BUTTON ADDED



RIDECONTROL DASH

The RideControl Dash is a 2 in 1 display where you can control the assistance of your bike and have an integrated display in the same unit. With the RideControl Dash unit you can check range, battery level, and support mode, along with standard cycling data like speed and distance without adding another screen on the E-bike. The RideControl Dash also has an ANT+ connection so you can add any device to monitor other data like heartrate and calories.



FEATURES

- INTEGRATED DISPLAY AND CONTROL UNIT
- WIRELESS CONNECTION FOR EASE OF USE AND RELIABILITY
- COLORED DISPLAY
- ANT+ OPTION

RIDECONTROL FUNCTIONALITY

RIDECONTROL REMOTES

| | ERGO | ERGO 2 | DASH |
|-------------------------------------|--|---|--------------|
| FEATURES | SG-System New Evo compatible E-MTB optimized Dropper compatible | SG-System New Evo compatible City optimized | G-system |
| NUMBER OF BUTTONS | 6 | 7 | 6 |
| SMART-ASSIST BUTTON | | • | |
| USB CHARGER | | • | |
| CABLE INTEGRATION THROUGH HANDLEBAR | Optional | Optional | Not possible |
| CONNECTOR DIAMETER | 6mm | 6mm | 10mm |



RIDEDASH

Handlebar integration is one of the most important features on Giant E-bikes. We have updated our RideDash units with improved graphics and displays, better ergonomics and new features such as internal handlebar cable routing possibilities. Here's a look at the latest RideDash units.



RIDEDASH EVO

RIDEDASH

RIDEDASH PLUS



RIDEDASH EVO

The RideDash Evo is completely revised for 2021. It has a sportier outlook with a full-color display and graphics showing exciting new functionalities to enhance the E-bike riding experience. The RideDash Evo has handlebar/stem integration options and a reliable, wired connection. The RideDash Evo makes it easy to upgrade your riding experience wirelessly with an app. Navigation cues, incoming messages, phone calls and E-mails can be seen through a notification on the RideDash Evo.



FEATURES

- FULL COLOR DISPLAY
- FULL HANDLEBAR INTEGRATION OPTION
- WIRED CONNECTION FOR EASE OF USE AND RELIABILITY
- NEW INTERNAL CABLE ROUTING

RIDEDASH AND RIDEDASH PLUS

New for this year are the RideDash and RideDash Plus. For our E-bikes equipped with the RideControl One ANT+ or with the Smart Gateway technology these units can be used as an additional display. They show important information including range, battery level, and support mode along with standard cycling data like speed, distance and trip information. The RideDash Plus offers a larger screen and more modern design compared to the RideDash.



FEATURES

EASY TO READ

All riding data including speed, distance, trip and battery information can be viewed on one big screen.

MODERN DESIGN

Easy-to-use buttons and intuitive functionality provide essential ride data on a screen that's easy to view, even in bright sunlight.

RIDEDASH FUNCTIONALITY

RIDEDASH DISPLAYS

| | EVO | DASH | DASH PLUS |
|----------------|---|--|---|
| FEATURES | Color display Customizable App compatible Integrated | Entry level display All E-bike info Small and compact Removable | Mid level display All E-bike info Large screen Removable |
| APP COMPATIBLE | • | | |
| NAVIGATION | • | | |
| CONNECTION | Wired | Wireless | Wireless |
| COMMUNICATION | SG-System | ANT+ | ANT+ |
| COLOR SCREEN | • | | |



SMART GATEWAY

New this year is our Smart Gateway technology. This is the communication hub in our E-bike system that connects all wired and wireless interfaces, including Bluetooth and ANT+. This enables you to connect almost any wireless display to your bike.



RIDECONTROL APP

This app makes it possible to connect your phone with your E-bike. It differentiates itself from other cycling apps with three core functions including tuning possibilities, fitness data and navigation. The Giant E-bike App is compatible with all new Giant E-bikes.



TUNING

With the RideControl App, it is now possible to tune your motor settings and choose a support ratio most suitable for your riding style and terrain. You can choose between stronger, more aggressive performance, or tune it for a more comfortable ride. It's up to you. The motor comes with default settings and is adjustable with the App.

FITNESS

Train for a specific time or distance, burn a certain number of calories, or aim for a targeted heart rate zone. The RideControl app helps you reach your fitness goals by giving feedback while you train.

NAVIGATION

E-bikes can help you explore your environment and ride farther. Navigation helps riders follow new routes without getting lost. With the RideControl App, you can set your preferred destination and use the Auto-adjust function to reach that destination without draining your EnergyPak. You can easily view the safest, most enjoyable route through the App or a RideControl EVO if it's linked.

NOTIFICATION

The connection between the App and an E-bike makes it possible to show incoming calls, messages and meetings on the RideControl EVO display while riding. So you can stay connected while you enjoy your ride.



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