

2025 ULTRA BEE HP

Ultra Speed Bee Ahead,
Leave the Rest in Your Wake Instead

Inheriting the lightweight DNA, igniting the pure desire for ultimate control, the 2025 Ultra Bee takes a comprehensive leap forward. Meticulously designed inside and out, it delivers upgraded power and features, elevating off-road performance and handling to an entirely new level.



Power performance undergoes a substantial upgrade

Equipped with the all-new second-generation high-performance mid-mounted motor, the peak power has surged to 21 kW, an increase of over 68% compared to the previous generation! The maximum torque of the drive wheel has increased by 16%, reaching an astonishing 377ft-lbs. A new Turbo riding mode has been added, allowing acceleration from 0 to 31mph in just 2 seconds! Bursting with power, ready at your fingertips!

Maximum Power

21kW

0 ~ 31mph

2s

0 ~ 50mph

3.9s

Max. Torque

377ft-lbs

Battery type

74V60Ah



59mph
Top Speed

71.5miles
Max Range

195lbs
Lightweight

2.5h
Charge Time20-80%

74V60Ah
High-performance
Li-ion Battery

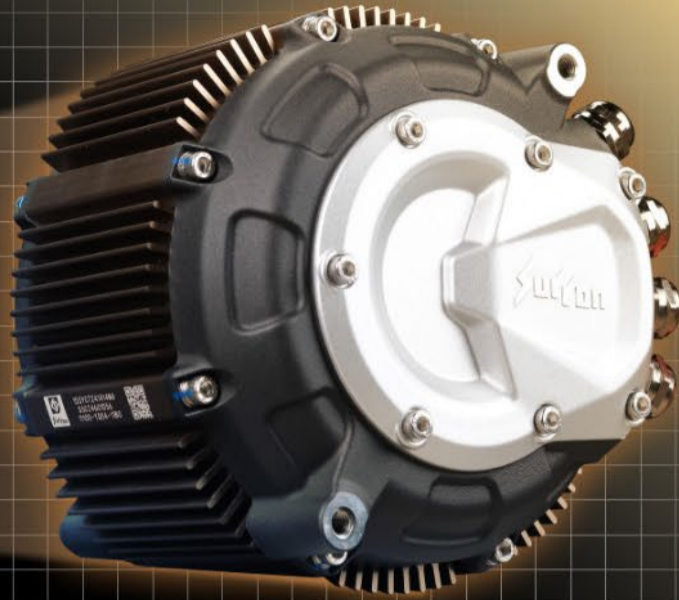
SRTC
TCS SRTC

*The range and speed performance are affected by the bike load, temperature, speed, terrain, etc. The above parameters are tested under the conditions of rider weight 154lbs, ambient temperature 80.6°F, constant speed 31mph, and a dry and flat road.



POWER SYSTEM

Hairpin motor × MTPA/MTPV



21 kW



HairPin motor

The second-generation motor of the ULTRA BEE serves as a powerful power core, utilizing a new HairPin winding technology that significantly increases the motor's filling factor, resulting in higher efficiency and improved heat dissipation. Additionally, the embedded permanent magnets in the rotor maximize the magnetic reluctance torque at low speeds, enhancing torque density. With better weak magnetic performance, the motor achieves higher speeds, with a maximum rotational speed of 7,000 rpm, and maintains peak power output from 2,000 rpm to 7,000 rpm.

MTPA/MTPV » Controller

Independently developed and tuned by SURRON, this controller employs a brand-new MTPA/MTPV control strategy, further optimizing the internal structure and circuit layout to fully leverage the performance advantages of the HairPin winding embedded permanent magnet motor.



SURRON

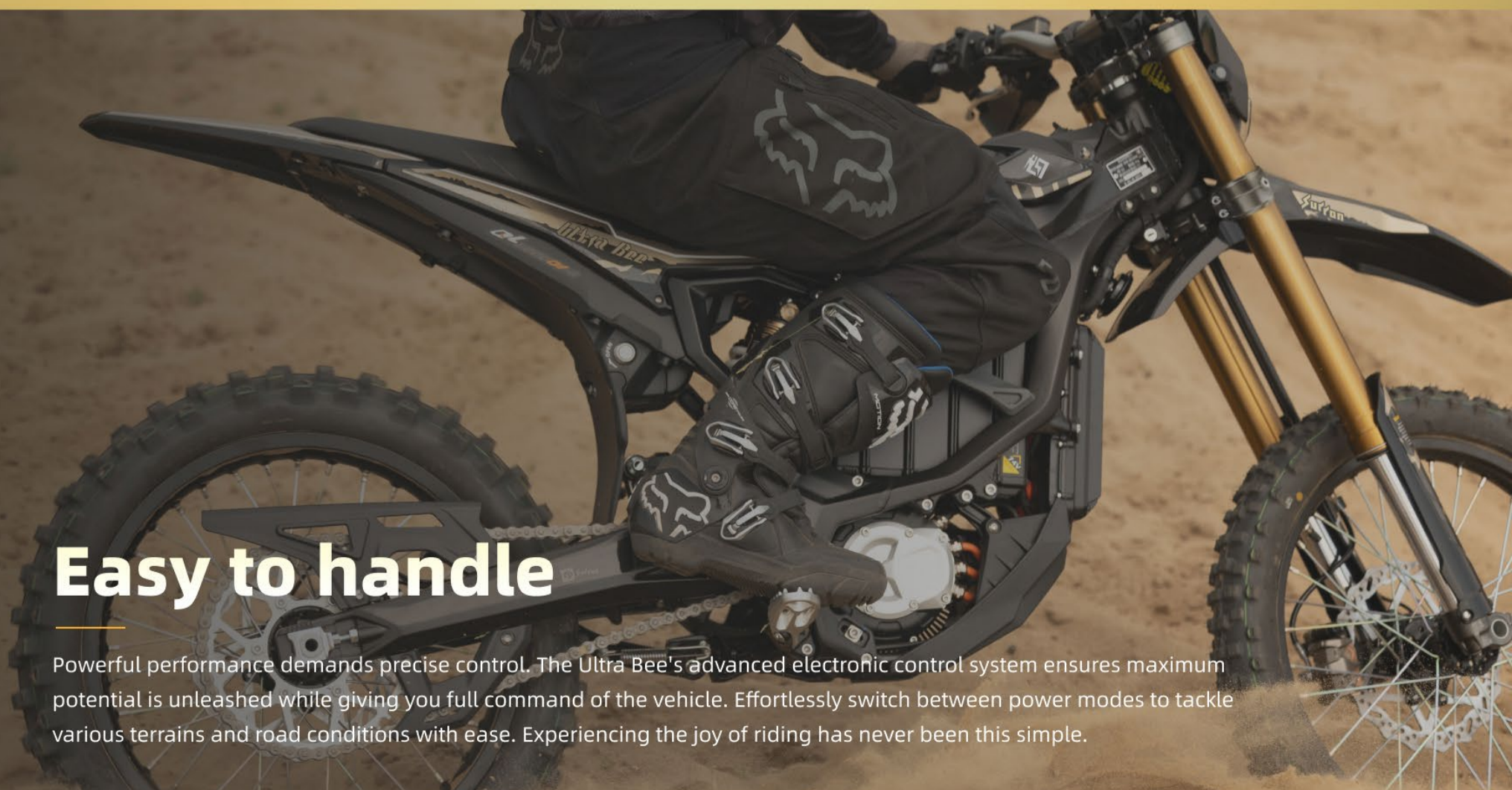
Surron Traction Control System

The ASR off-road traction control system can be used in various off-road scenarios, featuring three selectable levels for quick switching, minimizing rear wheel slip interference to the greatest extent. Combined with multi-level adjustable energy recovery and a three-level adjustable throttle curve, you can determine how you want to ride.

Eco/Daily/Sports/Crawl/Reverse + "Turbo" 6 power modes can be switched at any time, allowing your Jifeng to be suitable for all weather conditions.

Easy to handle

Powerful performance demands precise control. The Ultra Bee's advanced electronic control system ensures maximum potential is unleashed while giving you full command of the vehicle. Effortlessly switch between power modes to tackle various terrains and road conditions with ease. Experiencing the joy of riding has never been this simple.



BATTERY SAFETY

High-performance Battery Pack

The all-new 74V60Ah lithium battery pack is equipped with a safe and efficient battery management module, delivering abundant and stable power. Featuring distributed temperature sensors and a microcontroller with CAN communication protocol, it ensures high power load capacity and extended lifespan. Weighing only 47lbs, the battery pack is easily removable, allowing for convenient charging anytime, anywhere.

The battery cells used in the battery packs of the Surron products are provided by high-quality suppliers around the world, and all of them have passed the US UL certification.

Automotive-grade BMS (battery management system) accurately detects and ensures that the battery pack operates in strict accordance with the safety range of the power map, taking into account the safety and performance of use.



74V60Ah

A high-performance battery must withstand rigorous testing. Before being launched, SURRON electric motorcycles undergo extensive trials with dozens of production models tested across various scenarios. Over 18 months and more than 62137.1 miles of comprehensive onroad or offroad testing, coupled with over 200 safety and performance evaluations, ensure reliability. The battery complies with international certifications, including UN38.3, MSDS, CE, and RoHS.

The overall energy density and power density of the battery pack are in the industry's top tier!

Energy density

209Wh/kg

Power density

988W/kg



PERFORMANCE

20-80% Charging time only takes 2.5 hours.

2.5h

Safe and efficient. Say goodbye to range anxiety.

59mph
top speed

71.5miles
Max Range
«



Balance Is Perfection

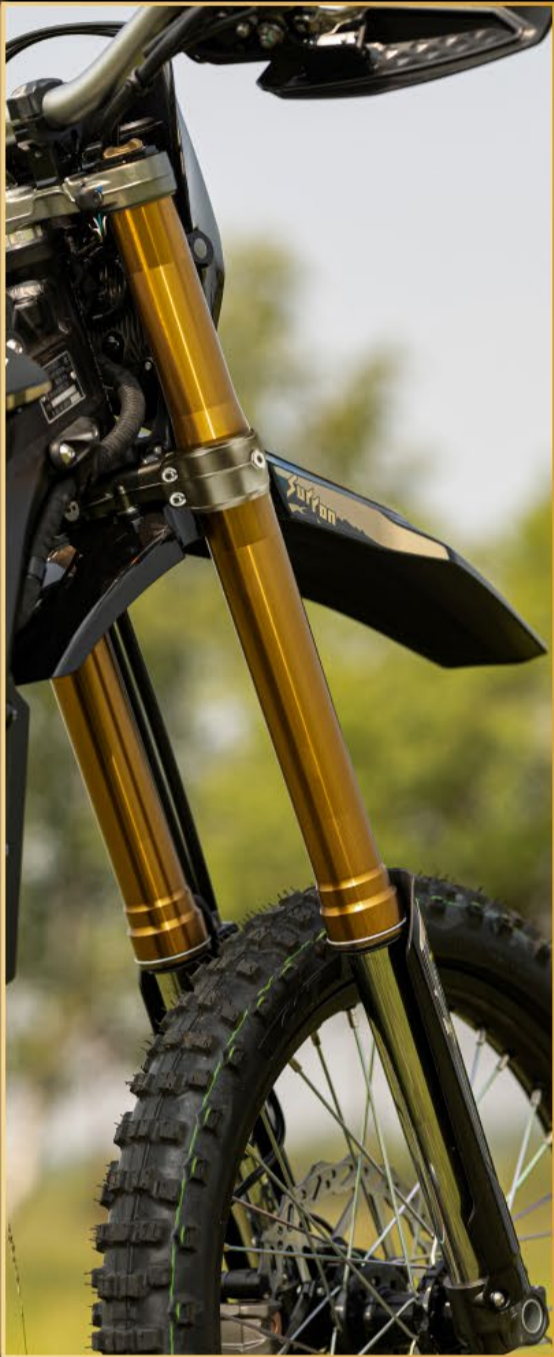
195lbs



The ULTRA BEE adheres to the SURRON'S design philosophy of "Balance Is Perfection". The frame is made of forged aluminum alloy, tailored to the ULTRA BEE'S dedicated power system. The front-to-rear weight ratio is 50:50. The whole bike weighs merely 195lbs, making it easily liftable, even with bare hands.

The overall Human-to-Machine interface and flexible riding characteristics configuration allow riders to find their personal favorite between daily commuting comfort and off-road capability, achieving a seamless harmony from inside out.

SUSPENSION SYSTEM



All-new custom suspension system
Comprehensively upgraded from the
inside out ∨

Custom gold outer tube with enhanced internal sliding sleeves, providing smooth and silky compression rebound. The initial phase is soft, with greater load capacity in the mid to latter sections. Whether used in forest trails or on racing tracks, it offers stable support and precise handling.

Usable travel of up to 9.4in



Compression and rebound can be adjusted to adapt to more riding scenarios



External pipe upgrade 7 series aluminum alloy material, the overall strength and rigidity greatly improved

INTERSECT TR » rear suspension system

A multi-link rear suspension system, combined with fully adjustable airbag rear shocks and high-strength alloy springs, integrates seamlessly with the overall shape and structure of the vehicle. The shock absorption performance is tailored to the characteristics of the ULTRA BEE, ensuring that the tires maintain optimal grip at all times.



NO LIMIT TO THE FORM



Front-80/100-19 Off-Road

OFF-ROAD



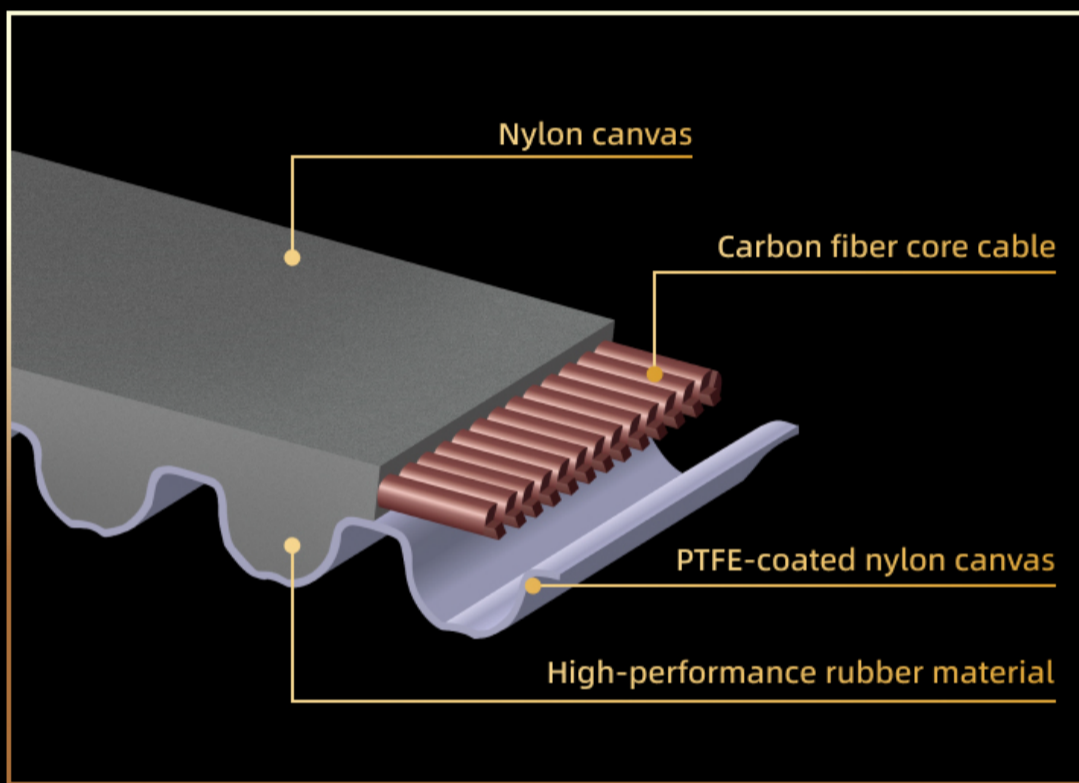
Rear-100/90-18 Off-Road

Front 80/100-19 and rear 100/90-18 professional off-road wheelset. The widened rear wheel significantly enhances grip and stability, allowing the vehicle to maintain excellent traction across a variety of complex terrains. The high-strength wheelset structure and dense tread patterns provide ample confidence for getting out of tricky situations.



Enhanced braking system

The high-strength motorcycle braking system features a 90% increase in caliper rigidity. The braking feel is light and linear, allowing for precise control with just one finger, ensuring safety for your off-road adventures.



Newly Upgraded Primary Drive System

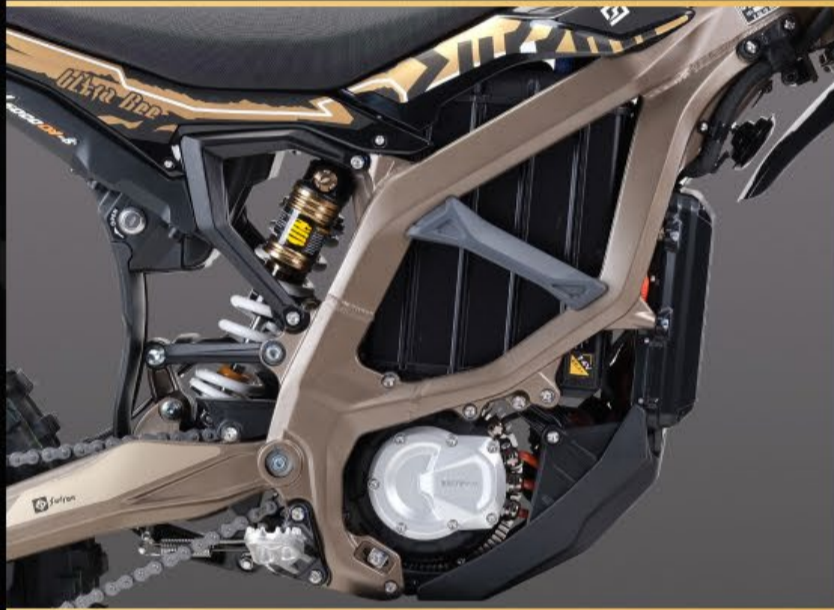
The new carbon fiber core belt has excellent load capacity per unit width, excellent wear resistance and low thermal expansion coefficient, and the ultimate strength is increased by 60%. The surface of the pulley is coated with tungsten carbide, which is second only to diamond in wear resistance and hardness, greatly improves the strength and life of the pulley.



Perfection Is Balance Everywhere

Does off-roading require traction control to be turned off?

The ULTRA BEE features a new generation of off-road ASR traction control system (SRTC), that can be used in various off-road scenarios. With three adjustable levels for quick one-button adjustments, combined with a three-level adjustable throttle power curve, it allows for better control of vehicle stability without compromising handling, making you an off-road expert in no time.



All-new desert brown frame appearance

Meticulously blended to create a unique red desert brown color, with a bright texture that encapsulates the beauty of the mountains and fields, integrating seamlessly with nature.

Carry the charger with you

A dedicated onboard storage space for the charger is designed under the seat, with reserved ventilation channels that support the charger's built-in operation. In the mountains or the wild, there's no need to carry the charger separately anymore. Charge it whenever you need, ensuring worry-free endurance!



SURRON APP connection

Vehicle information, remote viewing, driving trajectories, location-based anti-theft, OTA update service feedback, and more... A wealth of features at your fingertips.

*The SURRON APP connection may not be used in certain countries due to regulatory restrictions.

The charger can operate safely within the storage compartment; however, it is not recommended for internal use when the temperature exceeds 35 degrees Celsius or in small, enclosed spaces, as this may result in longer charging times due to insufficient heat dissipation compared to an external environment.



Parameter

Specifications

Dimension	2010x850x1180 mm
Wheel Base	1380 mm
Seat Height	910 mm
Curb Weight	91 kg
Carrying Capacity	100 kg
Ground Clearance	315 mm
Front Fork Travel	240 mm
Rear Shock/Wheel Travel	85 /240 mm
Max. Torque(on wheel)	511 Nm

Power System

Power System	PMSM+MTPA/MTPV Controller
Maximum Power(Motor)	21kW(Turbo), 18kw(Sport)
Riding Mode	Eco/Daily/Sports/Crawl/Reverse + "Turbo" mode
Assistance Functions	SRTC+BERS
Battery Type	74V /60Ah Lithium-ion Battery pack
Throttle Curve	Three-stage Adjustable
Primary Belt System	Carbon fiber belt
Forged pulley	Tungsten carbide coating
Charging Parameter	Three different charging power
Level-U1	(425W)-U2(765W)-U3(1100W)

Performance

Top Speed	95 km/h
WMTC road	115 km@ 50 km/h
Charge Time(20%-80%)	2.5 h

Frame&Tire

Tires Type	Front-80/100-19 Off-Road Rear-100/90-18 Off-Road
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Frame Material

Frame Material	Forged aluminium alloy
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Assistant Functions

GPS Terminal	APP connection (if available)
Crawl mode	Three-stage Adjustable
Tilt Protection	Gyroscope sensor (Can be turned off in feature setting mode)

Color

Carbon Black (black&yellow) , Desert Brown