

# F80 ROAD AND OFFROAD

## Sales Manual Guide



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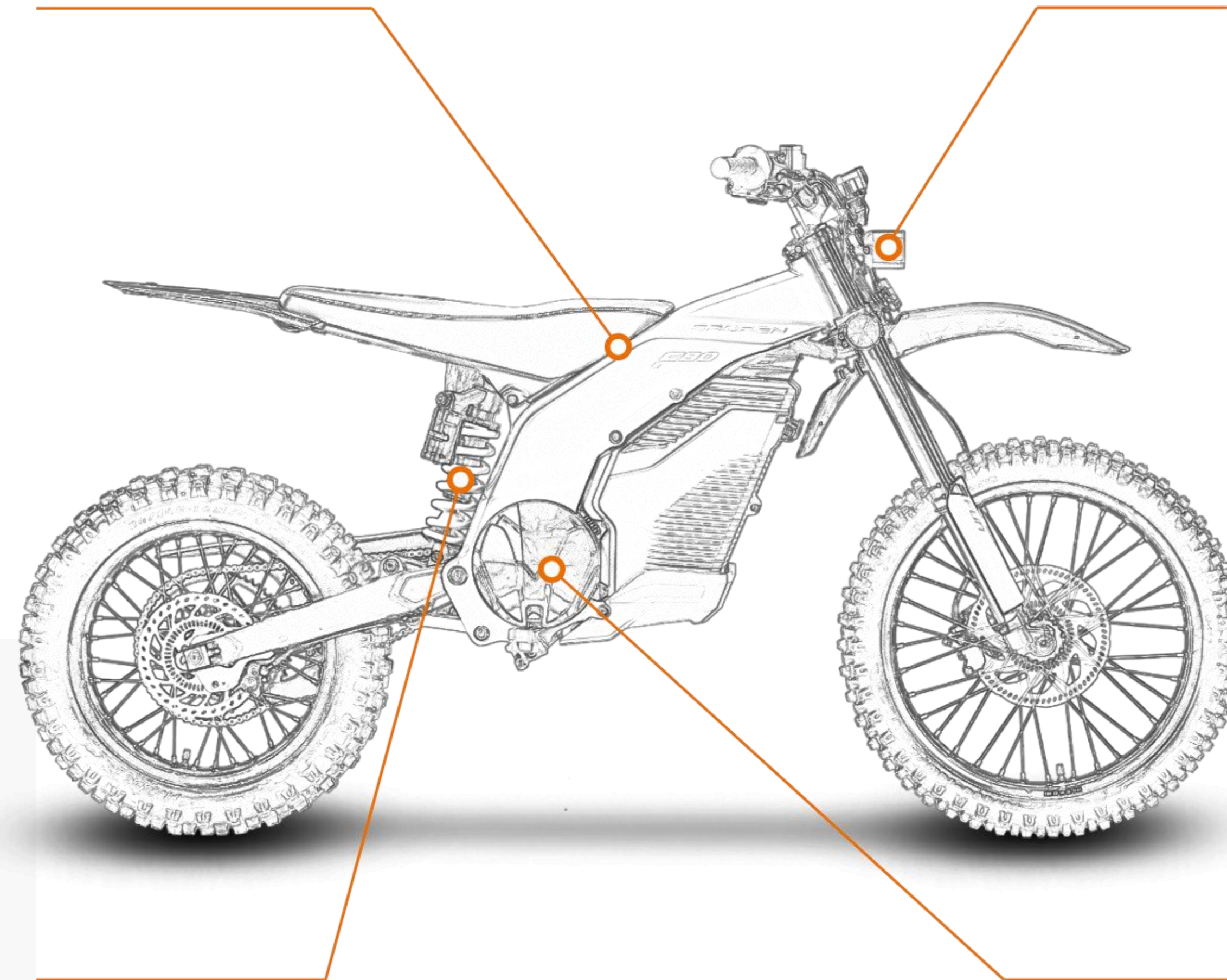
Welcome to the world of Caofen electric motorcycles, where innovation and adventure converge. This sales manual guide provides in-depth knowledge, key selling points, and support for showcasing and selling the lineup.





## SLEEK AESTHETICS

- A modern and stylish exterior design.
- Innovative alloy frame redefining safety and weight.
- 50:50 center of gravity distribution design for pleasurable electric riding.
- Dimensions : 1950mm×785mm×1070mm.



## ILLUMINATION SYSTEM

- Safety-enhancing taillight reducing the risk of rear-end collisions.
- Increased visibility.
- Ultra-bright headlight and sleek LED indicators.
- With brighter and waterproof lighting options, these lights not only enhance safety but also give riders a -stylish and futuristic appeal.
- Provides a lighting range of approximately 30 to 90 meters in front of vehicle.

## DAMPENING

- Rear Rocker Suspension: This innovative system absorbs shocks and
- vibrations, ensuring a smoother, fatigue-free journey, and superior control on every terrain.
- Front Shock Absorbers: Front shock absorbers, installed within the 200mm
- front forks of a motorcycle, are crucial for preventing direct transmission of road irregularities to the rider.

## PERMANENT MAGNET SYNCHRONOUS MOTOR

- Caofen F80 utilize a 4000W PMSM motor, renowned for its efficiency,
- converting electrical power into mechanical power, resulting in longer riding range and reduced energy consumption.
  - The vehicle handles a peak power of 8000W providing high power needed during acceleration.
- The PMSM of the motor enhances control and stability through precise
- coded positions, allowing for real-time feedback and advanced control algorithms for a smoother ride.



# F80 OFF-ROAD

## OFF-ROAD CAO FEN INDEPENDENT REAR BRAKING SYSTEM

### Pioneering Safety:

Caofen's Independent Rear Braking System sets a new standard in off-road e-motorcycles, ensuring riders safety.

### Tailored Control:

Each wheel has an independent braking force, optimizing traction and stability with Caofen's innovative braking system.

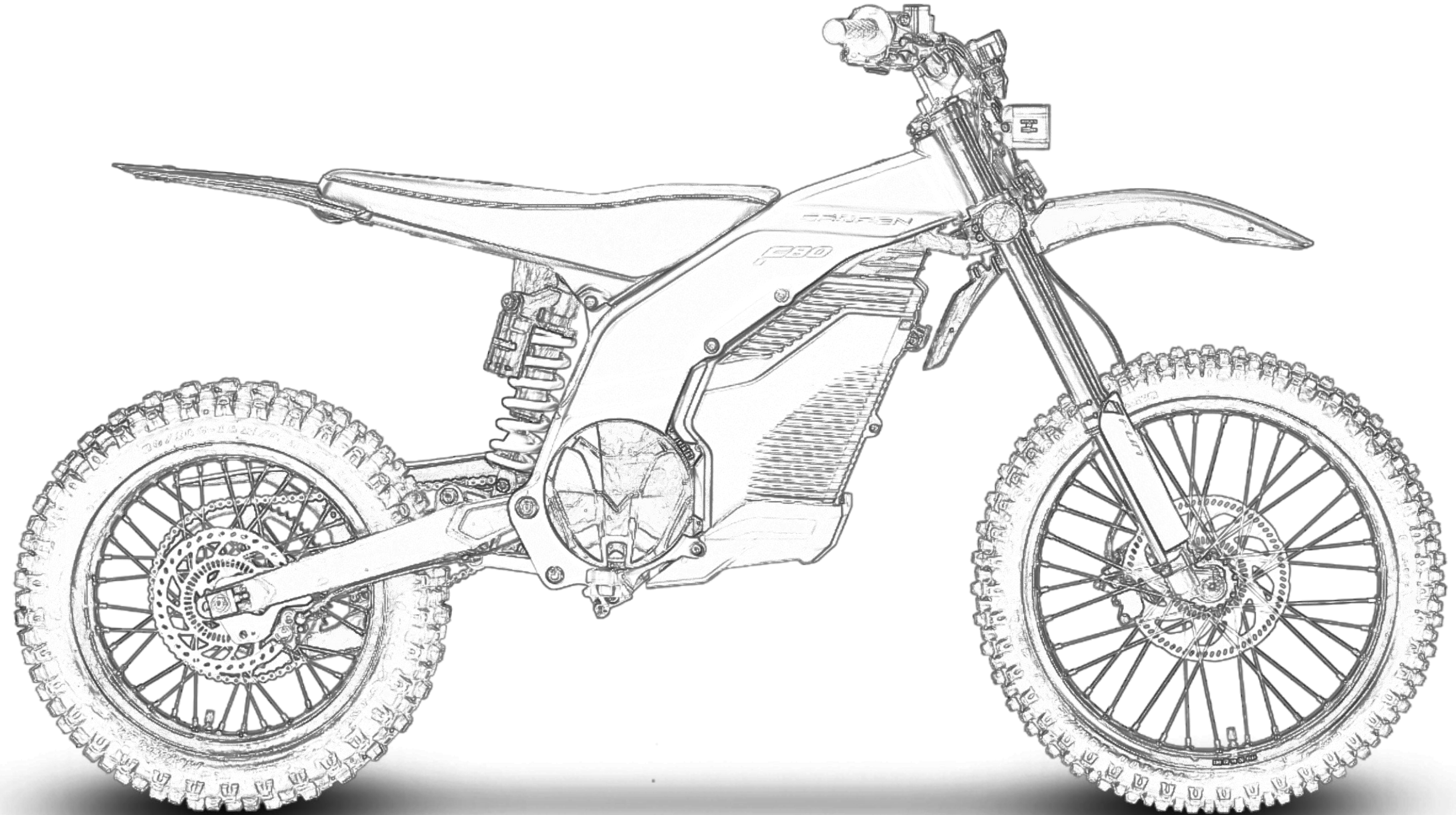
### Maintaining Stability:

Our revolutionary system instills rider confidence and control when conquering challenging terrains, especially on downhill slopes and uneven surfaces.

**Wheelbase:** 1300mm

**Features:** Field tyres

**F/R Tyre:** 70/90-19/90/100-16





Target audience

Core technology

Detailed data

Other details



# F80 OFF-ROAD

Ignite your inner trailblazer with the Caofen F80 Off-Road version - an embodiment of power, precision, and boundless exploration. Introducing the trail-conquering Caofen F80 Off-Road electric motorbike - a revolutionary fusion of pioneering technology and unparalleled performance. Prepare to embark on an electrifying journey beyond limits. Immerse yourself in the remarkable features of the Caofen F80 Off-Road version, setting a bold new benchmark for off-road electric motorbikes.

Awaken your inner trail warrior! The Caofen F80 Off-Road version unleashes an astonishing 8000W high-power motor, catapulting you into a realm of exhilarating acceleration and unparalleled performance. Embrace a world where adrenaline surges are a norm, and pulse-pounding moments await at every turn.



Age	18-65
Location	Urban and Suburban
Income	Budget constraints or flexibility
Gender	Male and females
Employment	White collars
Function	Dirt trails and terrain commuting
Experience	Experience riders and learners
Requirements	Familiarity with motorcycle safety practices Hold a license which comply with state regulation
Lifestyle	Outdoor enthusiasts, adventurers, or eco-conscious individuals



Target audience

Core technology

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Other details



# BATTERY

WORLD'S FIRST DIRECT IMMERSION LIQUID COOLED BATTERY

Introducing our cutting-edge motorcycle featuring a patented immersion cooling battery system, setting it apart as a leader in innovation. With 8 times better thermal balance and only 50% of the typical temperature rise, our motorcycle ensures optimal work efficiency while maintaining a perfect balance. Charge for just two hours, and enjoy riding all day long. Moreover, the battery heating system enhances efficiency and safety, enabling smooth travel even in extreme conditions like minus 40 degrees celcius.

**85KM/H**

Max speed

**180KM**

Max range

**40%**

Gradeability

**310N.m**

Torque

# FRAME

LIGHT, RUGGED, ZERO WELDING

The F80 frame is an engineering masterpiece, featuring zero welding for a flawless presentation. Its one-piece zero-solder spot aluminum alloy structure combines lightweight design with remarkable safety. With a 30% increase in rigidity, the frame offers added protection, ensuring intact performance even in extreme conditions. Experience the perfect balance of strength and elegance, defining the Caofen F80's superior engineering and performance.

**100KG**

Max Load

**>600MM**

Wading depth

**830MM**

Seat height

**265MM**

Ground clearance



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Off-road version OR-30/48

# MULTIPLE STRIKING COLORS

The off-road version offers a vibrant color selection, including flash black, silver gray and red. Additionally, we also offer a camouflage version, as well as an electroplated version with the frame and flat fork electroplated as a cohesive unit. The F80 off-road coatings provide superior durability and protection against wear and tear.



RED



SILVER GRAY



FLASH BLACK

Vehicle size	1950×785×1070mm	Braking System	Independent front and rear brakes
Wheelbase	1300mm	Front shock absorber	200mm
Front wheel (rear wheel)	70/90-19 / 90/100-16	Ground clearance	265mm
Tires	AT tire	Seat height	830mm
Battery	72V/60AH (ternary lithium)	Vehicle weight	78KG-85KG
Maximum power	8000W	Maximum load	100KG
Maximum range	150-180KM (30 km/h)	wading depth	>600mm
maximum speed	85km/h	Charging time	2-3h
Rear wheel torque	310N.m	Battery auxiliary heat	have
Gradeability	40%	Carton pallet packaging dimensions	1630*385*850mm



40%



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## HIGH-QUALITY SWITCH CONTROL

With the Caofen F80, every ride becomes a seamless experience. The high-quality switch control system ensures precision and responsiveness, making every turn and maneuver effortless and intuitive.



## DISPLAY SYSTEM

The offroad e-motorcycle features a full-color TFT meter that provides riders with detailed information on speed, battery level, modeselection, and trip data, enhancing visibility and performance monitoring during challenging offroad terrains.



## MOTOR

Our Caofen electric motorcycle boasts impressive power with a peak output of 8000W, making it a force to be reckoned with on the road. Equipped with a robust 4000W motor, it delivers exceptional performance, ensuring that every ride is both exhilarating and efficient.



# F80 OFF-ROAD



# F80 ROAD

## ROAD VERSION ANTILOCK BRAKE SYSTEM

### Pioneering Safety:

The Caofen F80 road version prioritizes rider safety with its advanced Anti-lock Braking System (ABS), providing enhanced control on various terrains.

### Tailored Control:

By continuously monitoring wheel rotational speed, the ABS in the Caofen F80 prevents wheel lock-up, ensuring riders maintain control during braking.

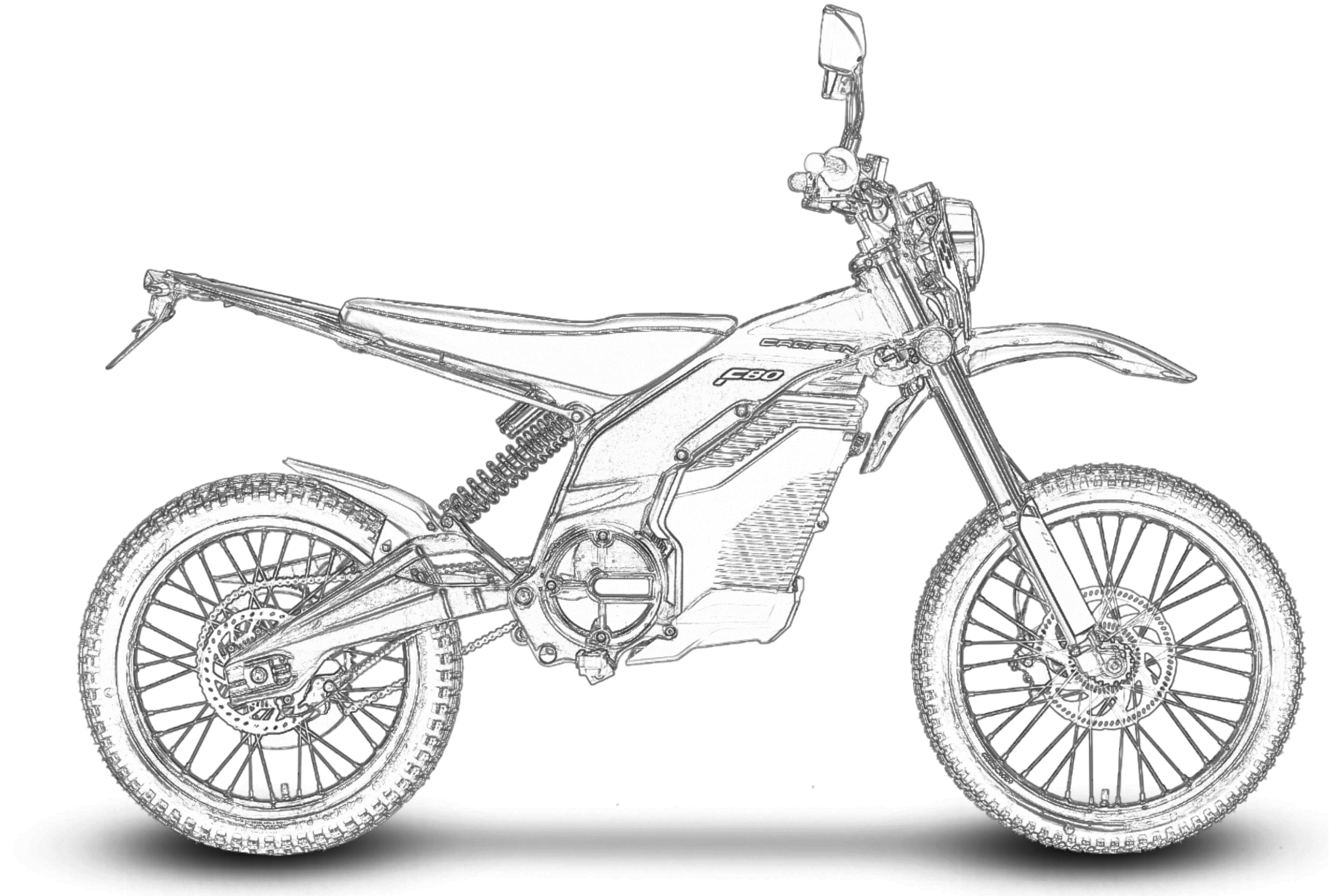
### Maintaining Stability:

The system's ability to modulate brake pressure keeps traction and stability in check, minimizing the potential for skidding.

**Wheelbase:** 1300mm

**Features:** Road tyres

**F/R Tyre:** 2.25-19/2.75-18 or 2.75-18/100/80-18



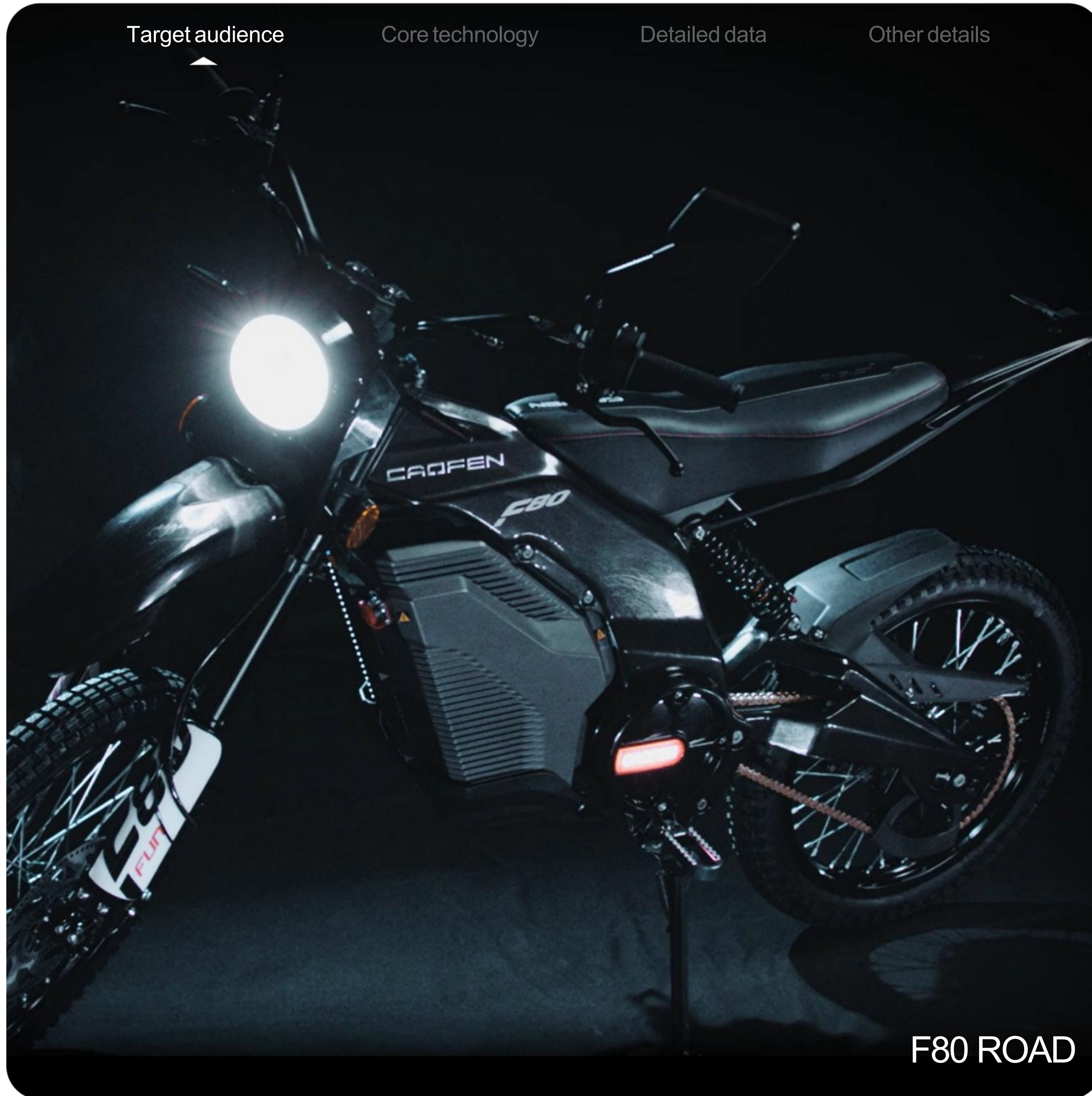


Target audience

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F80 ROAD

# F80 ROAD

Introducing the revolutionary Caofen F80 Road electric motorbike - the epitome of cutting-edge technology and unrivaled performance. Get ready to embark on an electrifying journey like never before. Explore the extraordinary features of the Caofen F80, setting a new standard for electric motorbikes.

Unleash the road warrior within! The Caofen F80 boasts an incredible high-powered 8000W motor that delivers blistering acceleration and unmatched performance, ensuring you never fall short of adrenaline-packed moments.



Age	18-65
Location	Urban and Suburban
Income	Budget constraints or flexibility
Gender	Male and females
Employment	White collars
Function	Highways and all paved roads commuting
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**85KM/H**

Max speed

**150KM**

Max range

**40%**

Gradeability

**260N.m**

Torque

# FRAME

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The F80 frame is an engineering masterpiece, featuring zero welding for a flawless presentation. Its one-piece zero-solder spot aluminum alloy structure combines lightweight design with remarkable safety. With a 30% increase in rigidity, the frame offers added protection, ensuring intact performance even in extreme conditions. Experience the perfect balance of strength and elegance, defining the Caofen F80's superior engineering and performance.

**100KG**

Max Load

**>600MM**

Wading depth

**830MM**

Seat height

**265MM**

Ground clearance



Target audience

Core technology

Detailed data

Other details

# MULTIPLE STRIKING COLORS

The F80 Road editions are available in a plethora of stunning colors including the classic flash black, the sleek silver gray, the fiery red, and the white. Moreover, these impeccable vehicles are adorned with a durable coating that guarantees longevity, ensuring that their beauty remains unscathed for countless years to come.

## Road version lowSS-30/48/60-L3e



## Road version high positionSS-30/48/60-L3e



<b>Vehicle size</b>	1950×785×1070mm	<b>Braking System</b>	CBS linkage
<b>Wheelbase</b>	1300mm	<b>Front shock absorber</b>	200mm
<b>Front wheel (rear wheel)</b>	2.5-19/2.75-18	<b>Ground clearance</b>	265mm
<b>Tires</b>	Trail tires/road tires	<b>Seat height</b>	830mm
<b>Battery</b>	72V/30AH (lithium iron phosphate)	<b>Vehicle weight</b>	78KG-85KG
<b>Maximum power</b>	8000W	<b>Maximum load</b>	100KG
<b>Maximum range</b>	80-120KM (30 km/h)	<b>wading depth</b>	>600mm
<b>maximum speed</b>	85km/h	<b>Charging time</b>	2h
<b>Rear wheel torque</b>	260N.m	<b>Battery auxiliary heat</b>	none
<b>Gradeability</b>	40%	<b>Carton pallet packaging dimensions</b>	1630*385*850mm

<b>Vehicle size</b>	1950×785×1070mm	<b>Braking System</b>	CBS linkage
<b>Wheelbase</b>	1300mm	<b>Front shock absorber</b>	200mm
<b>Front wheel (rear wheel)</b>	2.5-19/2.75-18	<b>Ground clearance</b>	265mm
<b>Tires</b>	Trail tires/road tires	<b>Seat height</b>	830mm
<b>Battery</b>	72V/48AH (ternary lithium)	<b>Vehicle weight</b>	78KG-85KG
<b>Maximum power</b>	8000W	<b>Maximum load</b>	100KG
<b>Maximum range</b>	120-150KM (30km/h)	<b>wading depth</b>	>600mm
<b>maximum speed</b>	85km/h	<b>Charging time</b>	2-3h
<b>Rear wheel torque</b>	260N.m	<b>Battery auxiliary heat</b>	have
<b>Gradeability</b>	40%	<b>Carton pallet packaging dimensions</b>	1630*385*850mm



RED



WHITE



SILVER GRAY



FLASH BLACK



40%



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## DAMPENING

REAR ROCKER SUSPENSION AND FRONT SHOCK ABSORBERS

The Caofen F80 is a unique motorcycle with a suspension system and front shock absorbers that provide a superior riding experience. Its 200mm travel front forks offer stability and comfort, while the front shock absorbers absorb impacts for a smooth ride. This system reduces fatigue and enhances control, allowing riders to confidently tackle various terrains and enjoy a thrilling riding experience.



## BRIGHT HEADLIGHT

ENHANCED VISIBILITY

Safety is our priority. The Caofen F80 comes equipped with a powerful headlight, high visibility indicator front lights and rear lights illuminating your path and making sure you are seen by others on the road.



## MUDGUARD RUBBER

PROTECTIVE, DURABLE AND FUNCTIONAL

The off-road version's rear suspension features a mudguard rubber, providing protection against debris and dirt, extending its lifespan and reducing maintenance. This enhances the suspension's performance, ensuring smooth handling in challenging conditions, and making it a reliable choice for adventure enthusiasts.



# F80 ROAD