

FAFREES

The Effortless Journey

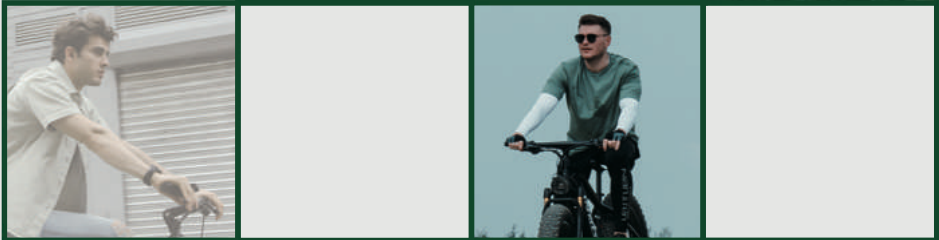


About Fafrees

Making Every Ride Simple,
Seamless, and Memorable.

Life is a series of journeys, big and small. At Fafrees, we believe these journeys should be as effortless as the moments they create.

We design electric bikes that are not just tools for mobility but companions for you and your loved ones—whether it's gliding hand in hand with your partner on quiet streets, exploring a park trail with your children, or simply enjoying a peaceful evening ride together.



For us, it's not about conquering terrains or chasing thrills; it's about crafting a smooth, easy, and delightful riding experience that fits seamlessly into your lifestyle.

Paired with our dedication to exceptional service, Fafrees is here to ensure that every step of your journey—from choosing the right bike to your first ride and beyond—is as easy and enjoyable as the ride itself.





PRODUCTS

S-Class E-Bikes & Trike

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City E-Bikes

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FAFREES



F20 Mate

EU Type-Approved Electric Trike (L2e-U)

01



EU



UK

F20 Mate

EU Type-Approved Electric Trike (L2e-U)

Features

-  48V 23.45Ah removable lithium battery
-  500W brushless motor
-  Advanced differential system
-  20*3.0" fat tires
-  Large rear cargo basket
-  Ultra-stable 3-wheel design

Specifications

Motor	500W brushless rear motor
Battery	48V 23.45Ah lithium battery
Display	LCD color display
Sensor	Cadence sensor
Max Speed	30km/h
Range	70-90km
Tires	20*3.0 inches
Brake	Hydraulic disc brakes
Suspension	Suspension fork and seatpost
L*W*H(cm)	174*74*116cm
Net Weight	43kg
Max Load	180kg

Colors

-  Gunmetal Black
-  Haze Blue

Recommended Uses

Cargo, Utility, Mobility Assist

Optional Accessories

- Front rack basket
- Enlarged rear basket

FAFREES



FF20 Polar

EU Type-Approved S-Pedelec (L1e-B)



EU

FF20 Polar

EU Type-Approved S-Pedelec (L1e-B)

Features

-  Dual 48V 13.4Ah batteries
-  45km/h maximum speed
-  Comfort-enhanced riding system
-  500W rear hub motor
-  20*4.0" fat tires
-  Foldable step-through frame

Specifications

Motor	500W brushless rear motor
Battery	48V 26.8Ah lithium battery
Display	LCD color display
Sensor	Cadence sensor
Max Speed	45km/h
Range	100-130km
Tires	20*4.0 inches
Brake	Mechanical disc brakes
Suspension	Suspension fork
Derailleur	Shimano 7 speed
L*W*H(cm)	179*128*68cm
Net Weight	35kg
Max Load	150kg

Colors

-  Haze Blue
-  Dark Green
-  Gunmetal Black

Recommended Uses

All-Terrain Utility, Daily commutes, Storage-limited, Delivery

Optional Accessories

Front rack basket

FAFREES



F20 ULTRA

EU Type-Approved S-Pedelec (L1e-B)

05



EU



UK

F20 ULTRA

EU Type-Approved S-Pedelec (L1e-B)

Features

-  48V 25Ah LG battery
-  20*5.0" fat tires
-  Hydraulic disc brakes
-  High-torque 750W hub motor
-  Full suspension system
-  Stylish moto-inspired design

Specifications

Motor	750W brushless rear motor
Battery	48V 25Ah LG battery
Display	LCD color display
Sensor	Cadence sensor
Max Speed	45km/h
Range	80-100km
Tires	20*5.0 inches
Brake	Hydraulic disc brakes
Suspension	Suspension fork and rear damper
Derailleur	Shimano 7 speed
L*W*H(cm)	182*74.5*111cm
Net Weight	40kg
Max Load	130kg

Colors

-  Satin Black
-  Gunmetal Black
-  Olive Green

Recommended Uses

Adventure, Suburban Commute, Longer Urban Commutes,
Heavy Load & Utility Transport

FAFREES



F700M

Designed for City Freedom



EU



UK

F700M

Designed for City Freedom

Features

-  Full aluminum integrated frame
-  Pedal assist with torque sensor
-  36V 10Ah hidden battery
-  250W rear hub motor
-  Hydraulic disc brakes
-  700*42C city tires

Specifications

Motor	250W brushless rear motor
Battery	36V 10Ah lithium battery
Display	Frame-Embedded LED Display
Sensor	Torque sensor
Max Speed	25km/h
Range	100km
Tires	700*42C
Brake	Hydraulic disc brakes
Derailleur	Shimano CUES 9 speed
L*W*H(cm)	180*110*68cm
Net Weight	19.5kg
Max Load	150kg

Colors

-  Royal Blue
-  Pearl Black

Recommended Uses

City Commuting, Leisure, Fitness

FAFREES



F700W

Designed for City Freedom



EU



UK

F700W

Designed for City Freedom

Features

-  Full aluminum integrated frame
-  Pedal assist with torque sensor
-  36V 10Ah hidden battery
-  250W rear hub motor
-  Hydraulic disc brakes
-  700*42C city tires

Specifications

Motor	250W brushless rear motor
Battery	36V 10Ah lithium battery
Display	Frame-Embedded LED Display
Sensor	Torque sensor
Max Speed	25km/h
Range	100km
Tires	700*42C
Brake	Hydraulic disc brakes
Derailleur	Shimano CUES 9 speed
L*W*H(cm)	180*110*68cm
Net Weight	19.5kg
Max Load	150kg

Colors

-  Royal Blue
-  Pearl Black

Recommended Uses

City Commuting, Leisure, Fitness

FAFREES



F20 Lasting

Your Smart Portable Ride



EU

F20 Lasting

Your Smart Portable Ride

Features

-  36V 18.2Ah removable lithium battery
-  250W rear hub motor
-  Compact folding design
-  Pedal assist with torque sensor
-  Shimano 7 speed shifting
-  150km of assisted range

Specifications

Motor	250W brushless rear motor
Battery	36V 18.2Ah lithium battery
Display	LCD color display
Sensor	Torque sensor
Max Speed	25km/h
Range	150km
Tires	20*1.95 inches
Brake	Mechanical disc brakes
Suspension	Suspension seatpost
Derailleur	Shimano 7 speed
L*W*H(cm)	158*62*99cm
Net Weight	22kg
Max Load	120kg

Colors

-  Haze Blue
-  Mint Green
-  Gunmetal Black
-  Aurora Blue
-  Radiant Teal

Recommended Uses

Daily commutes, Storage-limited, Last-Mile Travel, Multi-Modal Transport, Leisure



S-Class E-Trike

F20 Mate

S-Class E-Bike

FF20 Polar

S-Class E-Bike

F20 ULTRA

L*W*H(cm)

174*74*116

179*128*68

182*74.5*111

Folded size(cm)

100*74*82

93*64*75

n/a

Tire size

20**3.0"

20**4.0"

20**5.0"

Weight(kg)

43

35

40

Max Load(kg)

180

150

130

Rider Height(cm)

160-200

160-200

160-200

Water Resistance

IPX5

IPX4

IPX5

Motor

500W brushless rear motor

500W brushless rear motor

750W brushless rear motor

Motor Torque

65Nm

65Nm

79Nm

Climb Gradient

15°

20°

20°

Display

LCD color display

LCD color display

LCD color display

Battery

48V 23.45Ah lithium battery

48V 26.8Ah lithium battery

48V 25Ah LG battery

Max Speed(km/h)

30

45

45

Range(km)

70-90

90-120

80-100

Sensor

Cadence Sensor

Cadence Sensor

Cadence Sensor

Charger

48V Output: 54.6V/ 3A

48V Output: 54.6V/ 3A

48V Output: 54.6V/ 3A

Charging time

7-8 hours

8 hours

8 hours

Lights

Front and rear lights

Front and rear lights

Front and rear lights

Frame Material

Aluminum alloy

Aluminum alloy

Aluminum alloy

Brake

Hydraulic disc brakes

Mechanical disc brakes

Hydraulic disc brakes

Brake Rotors

180mm

160mm

180mm

Front Suspension

Suspension fork, 35mm travel

Suspension fork, 40mm travel

Suspension fork, 100mm travel

Rear Suspension

Suspension seatpost, 15mm travel

n/a

Rear damper, 100mm travel

Derailleur

n/a

Shimano 7 Speed

Shimano 7 Speed

Folding Parts

Frame, handlebar

Frame, handlebar

n/a

Other Accessories

Rearview mirrors, electric horn,
turn signals, rear basket bag, lock

Rearview mirrors, electric horn

Rearview mirrors, electric horn



City E-Bike

F700M

City E-Bike

F700W

City E-Bike

F20 Lasting

L*W*H(cm)
Folded size(cm)
Tire size
Weight(kg)
Max Load(kg)
Rider Height(cm)
Water Resistance

180*110*68

n/a

700*42C

19.5

150

175-210

IPX4

180*110*68

n/a

700*42C

19.5

150

175-210

IPX4

158*62*99

86*35*74

20*1.95

22

120

155-195

IPX4

Motor
Motor Torque
Climb Gradient
Display
Battery
Max Speed(km/h)
Range(km)
Sensor
Charger
Charging time
Lights

250W brushless rear motor

40Nm

15°

LED display

36V 10Ah lithium battery

25

100

Torque sensor

36V Output: 42V/ 3A

4 hours

Front and rear lights

250W brushless rear motor

40Nm

15°

LED display

36V 10Ah lithium battery

25

100

Torque sensor

36V Output: 42V/ 3A

4 hours

Front and rear lights

250W brushless rear motor

35Nm

15°

LCD color display

36V 18.2Ah lithium battery

25

150

Torque sensor

36V Output: 42V/ 3A

6-7 hours

Front and rear lights

Frame Material
Brake
Brake Rotors
Front Suspension
Rear Suspension
Derailleur
Folding Parts
Other Accessories

Aluminum alloy

Hydraulic disc brakes

160mm

n/a

n/a

Shimano CUES 9 speed

n/a

Bell

Aluminum alloy

Hydraulic disc brakes

160mm

n/a

n/a

Shimano CUES 9 speed

n/a

Bell

Aluminum alloy

Mechanical disc brakes

160mm

n/a

Suspension seatpost, 15mm travel

Shimano 7 Speed

Frame, handlebar, pedals

Bell



ONE EBIKE. ENDLESS POSSIBILITIES.

Whether you're navigating morning traffic, escaping into nature, or carrying what matters most – Fafrees adapts to your lifestyle.

FAFREES GMBH

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