

INFINEUM



EXTREME

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The Extreme LPX is the launch model of the Infineum range of premium electric bicycles.



An entirely British concept and design, the rugged outdoor looks are complemented by a powerful, yet lightweight, motor which is driven by a unique patented stackable Lithium Polymer battery system. This provides the bike with an unrivalled performance. The Extreme LPX looks and feels like a standard bicycle, making it a more discrete and practical vehicle whilst weighing less than most other electric bicycles.

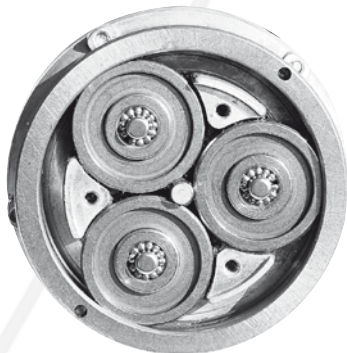
The Motor



The Epicycle Friction drive motor weighs only 1.82Kg and is situated in the front wheel hub, making it easier to remove than the usual rear position, where gears may get in the way. The lightweight technology gives 200 watts of pure power, ensuring perfect balance for an effortless and enjoyable journey.

Motor Efficiency

The motor itself is small and discrete, and provides an unbeaten silent 80% efficiency. Instead of conventional toothed gears, the Infineum motor uses a series of satellite discs to ensure a smooth, yet powerful, ride



Patented Stackable Battery System

Each battery weighs 1.82Kg and is situated inside the rear rack carrier and can be securely locked in place. Multiple batteries can be added and are secured into position with their own locking system ensuring they stay securely in



place until the base battery is unlocked and removed. Each battery gives 25-33 miles of pedal assisted travel, and with the stackable system, each journey could be potentially limitless.

Lithium Polymer Technology

The patented Infineum Stackable Battery is compact, yet the Lithium Polymer technology provides greater power density than other battery chemistry. Unlike Lithium Ion, Lithium Polymer poses no risk of fire or explosion. It is not only lighter, but provides five times the power of traditional Lead Acid batteries of equivalent weight. This means that carrying spare batteries does not pose a weight issue.

Charging the Battery

Charging the battery can be done with either multiple units stacked or as a single unit on the bike. The batteries may also be unlocked and removed for ease and then charged when off the bike. The battery and charger have indicator lights to let the rider know when it has been fully charged.

Cycle Computer

The Extreme's cycle computer shows the travelling speed and distance covered as well as showing the remaining battery level. It also allows the rider to select how much power is given by the motor.



Mode 1 – Assisted Power. When pedalling a proportionate amount of assisted power is given*

Mode 2 – Motor Power Only. The Infineum has an independent throttle on the handlebar to regulate power independently of pedalling.

Mode 3 – Cycling Only. Motor power switched off

*UK Law sets a maximum bicycle motor speed of 15mph when using the motor. No maximum in Cycling Only

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Modular Connectors

Modular connectors allow the components to be attached to a central wiring loom, which is housed and hidden inside the frame. This offers an aerodynamic, streamlined, aesthetically



pleasing design as well as protection from the elements. Consequently, servicing is made as easy as possible, giving the rider the ability to simply unplug the components at source.

Components

High quality branded components such as Shimano Alivio gears and Rock Shox shock absorbers enhance the performance and ride experience of the Infineum Extreme. 24 gears operated by Rapidfire trigger gear shifters and quality V-brakes make the Extreme ideal for both recreational and conventional cycling.

Shock Absorbers

The Rock Shox Dart 1 aluminium and steel forks with coil springs compliment the Shimano range to give a light-weight, comfortable journey.

2 Year Warranty

The Infineum Extreme comes with an unrivalled 2 year return to base warranty that covers the frame, all of the electrical components and the battery.



Infineum Extreme	Code: BICY10610	£1,195.00
Additional Battery	Code: BICB10600	£299.00

EXTREME



Specification - Extreme LPX

Triple - Mode of Operation:

Motor power only – 15mph max speed

Assisted power – Motor and Pedals – 15mph max speed

Cycling only – Without Motor Assist

Description of motor:

Lightweight with greater than 80% motor efficiency

High Spec:

Triple Mode Power:

- Independent twist grip throttle
- Pedelec power assistance
- Can be ridden as a bicycle

Intelligent brushless motor in front hub

Bicycle computer – back lit display showing:

- Speed mph
- Battery level

Odometer - Select level of assistance

Brakes and Gears:

Shimano Alivio:

- Trigger gear shifters
- Brake levers
- 24 gear mechanism
- Shimano Alivio V-brakes front and rear
- Cranks (170mm)
- Chain Wheel Set 28/38/48 teeth

Front Shock Absorbers – Rock Shox

Headset – Cane Creek

Modular components for easy serviceability

Battery Performance:

Lithium Polymer battery – 36V 6.5Ah = 234 Watt hours

25-33 miles per battery with gentle pedalling on a flat surface

Full battery recharge in 5 hours

Recharge the battery for 1000 cycles

Battery discretely locks into cycle

Physical Features:

Diamond shaped aluminium frame - Metallic Black/Silver

26 inch wheels

Forks – Rock Shox Dart 1

Handlebar height – 102cm to 104cm

Saddle height – 90cm to 104cm

Length of cycle – 171cm

Weight without battery – 18.24kg

Battery weight – 1.82kg

Weight including battery – 20.06kg

Extras Included:

Battery charger

Rear rack supporting up to 15kg

2 year Warranty

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