



Lightweight MotoCross (MX)

ABOUT LMX BIKES

BPI French Tech certified, LMX has been manufacturing **freeride electric two-wheelers** since 2016.

Know-how ⇒ **Design** - **Manufacturing** - **Assembly** Made In



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Mission ⇒ Offer **high-performance**, **light** and **accessible** products, while respecting an **excellent offroad reliability**

Workshop located in Jonage (Rhône, France), near Lyon







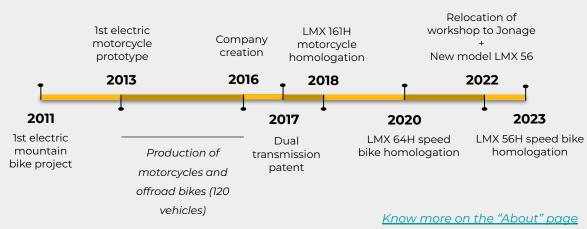




Our team shares the same vision of an electric future for motorsports.

Thanks to the solid technical foundations of our two models, we regularly deploy new ranges to adapt our products to the uses of all our customers."

Adam Mercier, director of LMX Bikes



THE LMX TEAM

LMX is a team of enthusiasts who work every day with the aim of growing the company to offer drivers ever more innovative and efficient vehicles.

Maintaining our independence and developing our know-how are part of LMX's daily missions. Thus, we take care of the design, manufacture, assembly, sales, marketing and maintenance of the LMXs in-house.

A real diversity of professions and know-how

DESIGN/R&D

MANUFACTURING

ASSEMBLY

MARKETING/COM

SALES DEPARTMENT

MAINTENANCE

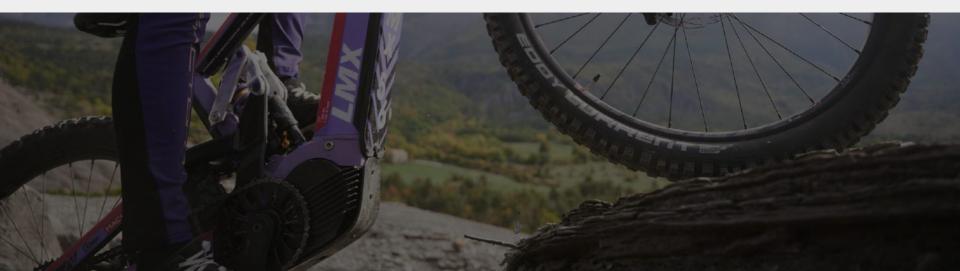
ACCOUNTING







FRENCH INNOVATION AT THE SERVICE OF SPORTING PLEASURE





OPEN THE WAY, OUTRIDE YOUR FRIENDS, INCREASE YOUR PERFORMANCE.



45 km/h

Max assistance speed



2 500 W

Engine peak power



1000 Wh

Battery capacity





Personalize your experience as much as possible

A ever-evolving LMX



Pedal assist + Throttle

A unique dual assistance

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Ride harder, faster. Climb longer and longer. The ultimate goal of any rider.

Powerful and connected, the LMX 56 offers you exceptional and unique riding sensations, halfway between a bicycle and a motorcycle.

Forget the clamping at 25 km/h and find the engine performance of a trial bike (up to 200 Nm at the wheel).

Adam, CEO of LMX Bikes

TECHNOLOGY: DUAL ASSISTANCE

"The best of cycling and motorcycling brought together in a single speed bike made in France!"

In addition to a torque sensor, the LMX 56 has a handlebar throttle.

The ideal way to rediscover the feeling of **freedom on a motorcycle!**

These two assistances allow you to lengthen the outings and make the sporting pleasure last:

- → The pedaling torque sensor delivering power proportional to effort and the assistance mode chosen on the screen.
- → The accelerator on the handlebars that allows you to apply the throttle at any time to overcome an obstacle or go back uphill, like on a motorcycle!





TECHNOLOGY: PATENTED LMX TRANSMISSION

"The LMX 56's patented dual freewheel transmission makes possible the concept of a reliable, powerful and lightweight off-road speed bike"

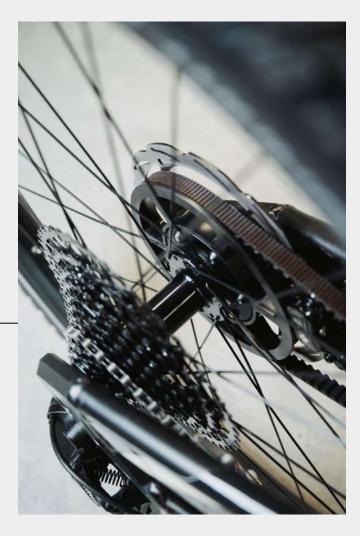
Thanks to a double freewheel system, the hub of your LMX incorporates two transmissions, independent of each other:

- → 1 belt for pedaling
- → 1 chain motor side

ADVANTAGES



- Wear is limited as well as breakage on the side of the pedaling chain
- Totale independence of the different assistance modes up to 45km/h
- A validated and patented LMX technology used since 2017



CONNECTIVITY: THE APP

The great novelty of the LMX 56: its high level of connectivity which opens up the field of possibilities in terms of customization and uses!



Your smartphone becomes your screen

- Driving data display
- Changing modes directly on the app or via the Smart LED on the handlebars for safe riding



Plan your outings intelligently

- Proposal of routes and cartographic representations
- Calculation according to your situation at time T (battery level, altitude difference)



Customize your assistance modes for a unique "motor tuning"

Adjustment of Eco, Mid and High modes (level of power and maximum speed, maximum torque, accelerator or not, etc.)



The system adapts to your profile and that of vour LMX

- Weight, LMX configuration, riding mode and conditions
- For ever more precise data



Share your ride on sharing apps (Strava)

Export your best outings and share them with your friends

Enjoy new features all the time



Thanks to the updates available from the application, your LMX is continually enriched with new features



Reset Defaults





TECHNICAL SPECIFICATIONS

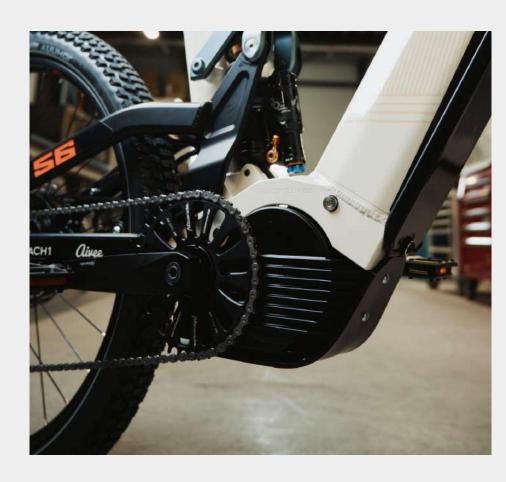


AN ADVANCED MOTORIZATION

A POWERFUL ENGINE BLOCK

Up to 45 km/h speed assist!

- **2500 W** peak power
- Rated power of 2000W
- Up to **171 N.m** maximum torque at the wheel
- Central motor block, brushless type
- Air cooling
- ISIS standard cranks
- Only one connector to disconnect to disassemble the block
- Torque sensor and controller integrated in the block
- Sealing optimized by lip seals on all interfaces

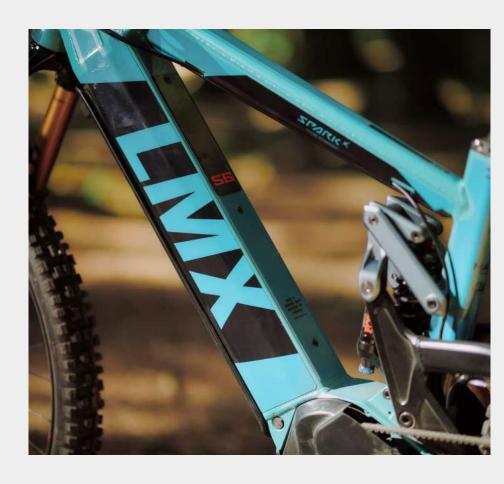


AN ADVANCED MOTORIZATION

BATTERY PERFORMANCE INCREASED

1000 Wh of battery to follow you in all your outings!

- Assistance autonomy ⇒ from 45 to 100 km
- Autonomy without pedaling ⇒ from 30 to 40 km
- Removable for charging, easy and quick replacement
- CAN bus communication, temperature sensors and on-board diagnostics for long life
- 52V, 20Ah design
- Full charge 4h
- 4 A external charger with 230 V
- Power-supply
- 500 charge-discharge cycles up to 80% of initial capacity



SUSPENSIONS

FORK

Formula Selva S or FOX 38 Kashima

Air Technology

Diameter 35mm or 38 mm

Travel 160mm

Adjustments: pressure, compression, rebound and lockout



SHOCK ABSORBER

Formula Mod or Fox DHX

Travel 160mm

Compression, rebound, preload settings

2 eccentric trim settings

Progressive suspension



VERSION

<u>H</u>

Street legal 45 km/h (moped category L1e-B)

Equipment included: mudguards, left mirror, stand, front/rear lighting, plate holder.

Ι

Not allowed on public roads (offroad)

Use only on circuits or private roads



FRAME

Frame material / rear buckle / swingarm **6061-T6 aluminium** (aviation quality)

⇒ Made in France

Integrated battery, removable without tools

Full frame weight: 5.5 kg

Wheelbase: 1245 mm (M), 1305 mm (L)

Caster angle 64°



BRAKES

Formula Cura 4-e disc brakes

Front 203 mm / Rear 203 mm

2.3mm discs

4 front pistons / 4 rear pistons



Management of the assistance modes thanks to the colors of the LED.

4 modes available:

- Neutral
- Eco-friendly
- Mid
- High

Access to the battery charge according to the color of the LED.





PERIPHERAL DEVICES

SELLE

PEDALES

Italia Origine Ou Velo Ultimate

Standard Ou Wellgo B321 Alu Sealed

PACK 1

SRAM NX derailleur / Tranzx AL7075

150 mm dropper post

Or

PACK 2

SRAM AXS GX Eagle derailleur /
Rockshox Reverb AXS dropper post





RIMS

FRONT WHEEL

Mach1 rim 30mm x 29"

REAR WHEEL

Mach1 rim 35mm x 27.5"

LMX hub: Double transmission chain technology (LMX patent pending). Boost 157mm, reinforced freewheel.

FRONT TIRES

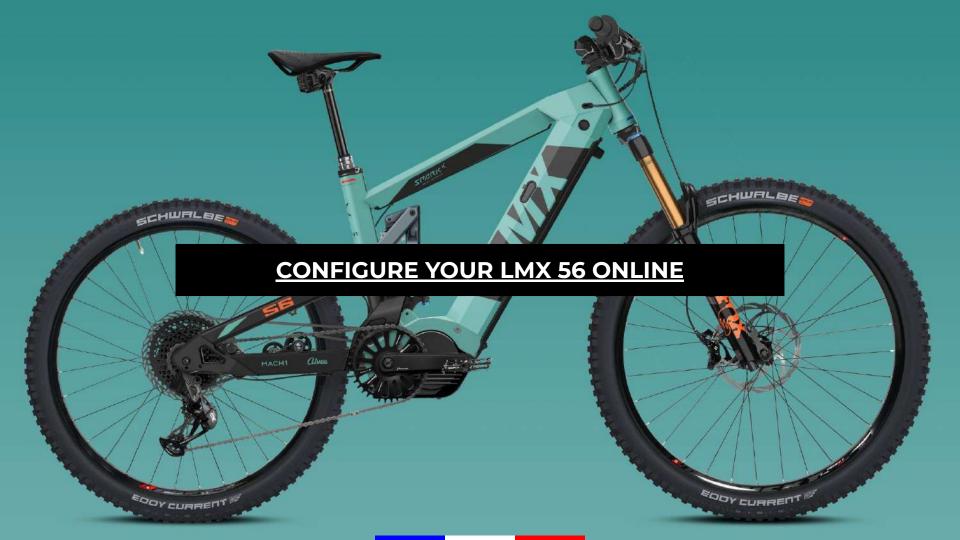
Schwalbe 29" x 2.6"

REAR TIRES

Schwalbe 27,5" x 2.8"









LMX CLOSER TO YOU THANKS TO OUR DEALERS



YOUR LMX DEALER

LMX Bikes is growing and more than ever wants its two-wheelers to be accessible to its customers, in France and abroad.

Our resellers:

- → Make possible a privileged relationship with our customers in their region.
- → Provide information, carry out tests and support the commercial part.
- → Provide after-sales service and maintenance thanks to their technical expertise.















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