

EMOTION

electric motion

The future is not so far away



em
electricmotion

EM *Lite*



5

EM *Sport*



11

EM *Scape*



17

EM's bikes advantages



Reduced maintenance



Drive in silence



Fun & accessible



A respectful bike

Electric Motion company advantages



An electric bike
at the best price

Best riders
use EM bike

Direct delivery
with EM Package

Electric Motion is happy to present our **new 2016 range of electric trial motorcycles**.
2016 Electric Motion's focus was to further develop and test their range to create the **best in performance & ergonomics**.
New **look**, new **colors**, better **performance**, EM 2016 versions are **better** and still as always **overboosted**...

Easy to Ride Lite

em



Easy to Ride

EM *Lite*

Years of research, design and testing Electric Motion's lead to the evolution and production of our **lightest & economical trial bike** in our product range with **no loss in performance and efficiency**.

Equipped with same frame and dependable performance as our Sport edition the **EMLite** is a perfect fit for **leisure & rigorous riding challenges!**

The **EMLite** is perfect for **sport and recreational riding** featuring **comfort, balance and robustness**, Trial or Trek along in silence. Near **ZERO** maintenance = More **time to ride!**

EMLite is a perfect fit for Trial School (Academies) // Off Road Parks and trails // All riding enthusiasts!

*EMLite available in homologated version (125cm³).
OPTION: **Extra Seat** (Quick & Easy install).*



Easy to Ride

em Lite

CHASSIS

Frame
Front Suspension
Front Travel
Rear Suspension
Rear Travel
Front Brake
Rear Brake
Rims

Perimetric 25CD4S Steels
Ollé Hydraulic telescopic Fork Ø40
175mm
Ollé R16V
170mm
Hydraulic Disk 182mm 4pistons
Hydraulic Disk 150mm 2pistons
Morad Trial 1,6"x21"
& 2,15"x18"

DIMENSION

Wheel base
Lenght
Width
Seat height
Ground clearance
Footrests Height
Weight

1350mm
2035mm
825mm
700mm
320mm
360mm
75kg

POWERTRAIN

Engine
Power
Torque
Cooling
Primary Transmission
Finale Transmission
Maximum Speed*
Time Range*
Battery
Charging Time

Brushless DC
5kW nominal / 12kW peak : 16CV
16Nm nominal / 24Nm peak
Air
By belt
By chain
50 km/h
50 to 150 minutes
LiPo 51,8V / 25Ah / 1,2kWh
150 minutes

* Range and top speed vary based on riding style and drivetrain configuration

Easy to Ride

EM *Lite*



ELS & Seat in option



Choice of 2 Maps EMLite



Standard Rims
& Maxxis Trial Maxx Tires

New Design & Graphics



New Handlebar
& CNC Clamps

Dark blue frame

Black Rear Mudguard



Transmission

- New secondary shaft
- New chain
- 11 tooth sprocket

Design

- Painted steel footrest
- New Aluminium Protector plate...



Specifications 2016 // EMLite

Easy to Ride



Average Range*

2 hours



Full Charge

150 minutes



Weight

75kg



Top Speed*

50km/h



Easy and Fun

* Range and top speed vary based on riding style and drivetrain configuration

Easy to Ride

EMT *Lite*



em *Lite*

The EMLite is available in 4 colors*
Red // Blue // Green // Yellow



* Colors must be specified when ordering

Easy to Race *Start*

em



Easy to Race

EM Sport

The **EMSport** is designed for **competition** and leisure. Each and every component was developed with the focus on **high quality** and **performance technology design**.

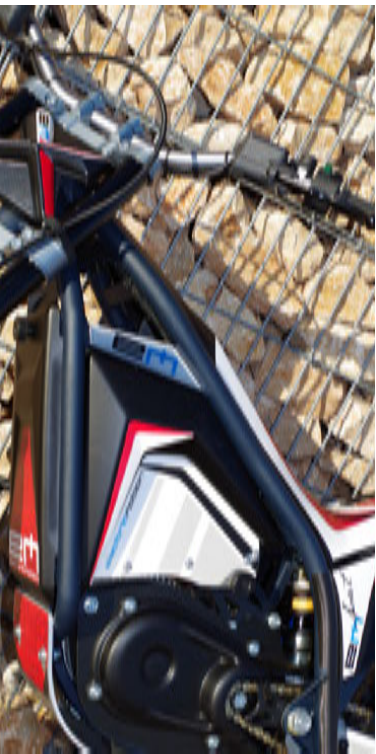
The **EMSport** is the latest edition which evolved from our 2015 model. Achieving great success in **France's National Trials Championship in 2014 (S2 Category)**.

The **EMSport** is equipped for **best racing** and performance parts! NEW Tech aluminium fork & R16V aluminium shock absorber, Xlite competition Michelin tires. New CNC clamps & new aluminium protector plate.

*EMSport available in **homologated** version (125cm³).*

The extra seat can be equipped on the EMSport & EMSport + (Quick & Easy install).

Lighter (gain of 3kg with the new 16Ah battery), the **EMSport+** reach **more performance**.



Studio Photos - © Camille Lafon / studio-camille.fr



Easy to Race

em sport

CHASSIS	Frame	Perimetric 25CD4S Steels
	Front Suspension	Tech Hydraulic telescopic Aluminium Fork Ø39
	Front Travel	175mm
	Rear Suspension	Ollé R16V Aluminium
	Rear Travel	170mm
	Front Brake	Hydraulic Disk 182mm 4pistons
	Rear Brake	Hydraulic Disk 150mm 2pistons
Rims	Morad Trial 1,6"x21" & 2,15"x18" Tubeless	

DIMENSION	Wheel base	1350mm
	Lenght	2035mm
	Width	825mm
	Seat height	700mm
	Ground clearance	320mm
	Footrests Height	360mm
	Weight	74kg / 71kg**

POWERTRAIN	Engine	Brushless DC
	Power	5kW nominal / 12kW peak : 16CV
	Torque	16Nm nominal / 24Nm peak
	Cooling	Air
	Primary Transmission	By belt
	Finale Transmission	By chain
	Maximum Speed*	50 km/h
	Time Range*	50 to 150 min / 40 to 130 min**
Battery	LiPo 51,8V/25Ah/1,2kWh / 51,8V/16Ah/0,9kWh**	
Charging Time	1 10 minutes / 75 minutes**	

* Range and top speed vary based on riding style and drivetrain configuration
** EMsport+

Easy to Race

EM Sport

Specifications 2016 // EMSport & EMSport+

New Design & Graphics



Dark blue frame

New designed Transmission plates (black)

New clamps // Titanium color



Transmission & sprocket cover design



Batteries

24,5Ah (SPORT)
+ range than 2015 version

16Ah (SPORT+)
+ lighter -3kg

Driving

Torque increase
2 Maps EMSport

9 Tooth Sprocket
+ acceleration
+ torque

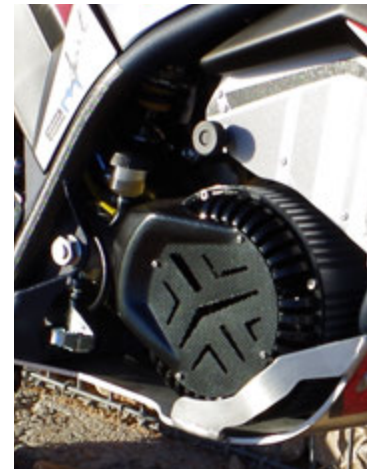
Angled XLR plug
15Amp charger



Dark grey matt Rims



Black Tech
Aluminium fork



Motor
New shape & color

Easy to Race



Average Range*

110 minutes
80 minutes**



Full Charge

150 minutes
75minutes**



Weight

74kg EMSport
71kg EMSpot+



Top Speed*

50km/h



The first Electric Champion

* Range and top speed vary based on riding style and drivetrain configuration
** EMSpot+

Easy to Race

EMT *Sport*





The EMSport is available in 4 colors*
Red // Blue // Green // Yellow



* Colors must be specified when ordering

Adventures Unlimited



EM Escape

Non-contractual pictures

Adventures Unlimited

The **Escape** boasts the **longest range** of all our trial models.

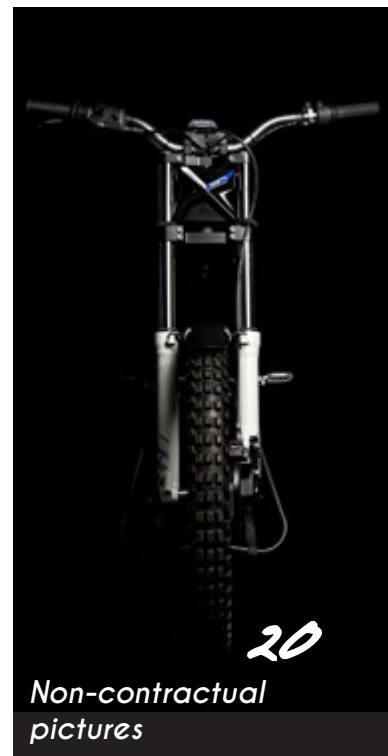
Developed for **extreme ride** use, the **Escape** is as silent as it is **efficient**.

Our ergonomically designed trial bike, includes a battery allowing for **very long rides**. The **Escape** is the ultimate answer for for your **wilderness** and **adventures**.

A nimble motorcycle with the **torque** and **power** that allows you overcome the **toughest terrain** and extreme **obstacles**.

Now you can **explore** forests, reach peaks and **regenerate** down mountains... **silently** with the **Escape**...

EScape available in homologated version (125cm³).



Adventures Unlimited

CHASSIS	Frame	Perimetric 25CD4S steels
	Front Suspension	Ollé Hydraulic telescopic Fork Ø40
	Front Travel	175mm
	Rear Suspension	Ollé R16V
	Rear Travel	170mm
	Front Brake	Hydraulic Disk 182mm 4pistons
	Rear Brake	Hydraulic Disk 150mm 2pistons
	Rims	Morad Trial 1,6"x21" & 2,15"x18"

DIMENSION	Wheel base	1350mm
	Lenght	2035mm
	Width	825mm
	Seat height	850mm
	Ground clearance	320mm
	Footrests Height	360mm
	Weight	78kg

POWERTRAIN	Engine	Brushless DC
	Power	5kW nominal / 12kW peak : 16CV
	Torque	16Nm nominal / 24Nm peak
	Cooling	Air
	Primary Transmission	By Belt
	Finale Transmission	By Chain
	Maximum Speed*	50 km/h
	Time Range*	110 to 200 minutes
Battery	LiPo 48,1V/40Ah/1,9kWh	
Charging Time	180 minutes	

* Range and top speed vary based on riding style and drivetrain configuration

Adventures Unlimited *ESCAPE*

The *ESCAPE* is based either on an *EMLite* version or an *EMSport* version

Battery offering the best range of our electric Trial bike



Pneus Maxxis Trial Maxx created for extreme hiking

Seat & ergonomics studied for comfort



Motorisation

Torque & power offering real crossing ability

Non-contractual pictures

Studio Photos - © Camille Lafon / studio-camille.fr

Adventures Unlimited



Average Range*

2 h 45 min



Full Charge

3 hours



Weight

78kg



Top Speed*

50km/h



Made for adventure

* Range and top speed vary based on riding style and drivetrain configuration

Adventures Unlimited *Scape*



Non-contractual pictures



EM

electricmotion

ELECTRIC MOTION
40 Rue des Gardians
ZAC via Domitia
34 160 CASTRIES (FRANCE)

www.electric-motion.fr
+(33) 04 67 41 10 90
+(33) 06 51 05 51 69
info@electric-motion.fr