



KIDS
YOUTHS

EN

MOVING FORWARD WITH THE ELECTRIC GENERATION

We are TORROT, a Spanish electric motorcycle manufacturer with more than 75 years of history.

From 2016 we evolved exclusively to electric offering bikes for the youngest riders: motocross, trial and supermotard.

#generationE





TORROT
CATALOGUE

I N D E X

ABOUT US

| 2 |

KIDS

| 4 |

YOUTHS

| 20 |



TORROT

Founded in 1948, Torrot originally built bicycles before advancing into the production of mopeds and motorcycles.

We have 75 years of experience in design, build and assembly of motorcycles.

At our factory in Salt, Girona, 100km north of Barcelona, we have capitalized on our reputation for unrivalled technology and build quality.

In addition to building our own bikes, we also produce a large number of bikes for Rieju.

The company is owned by a private equity firm.

100% of the invested capital came from USA pension funds.



Factory in Europe: 10.000 sqm



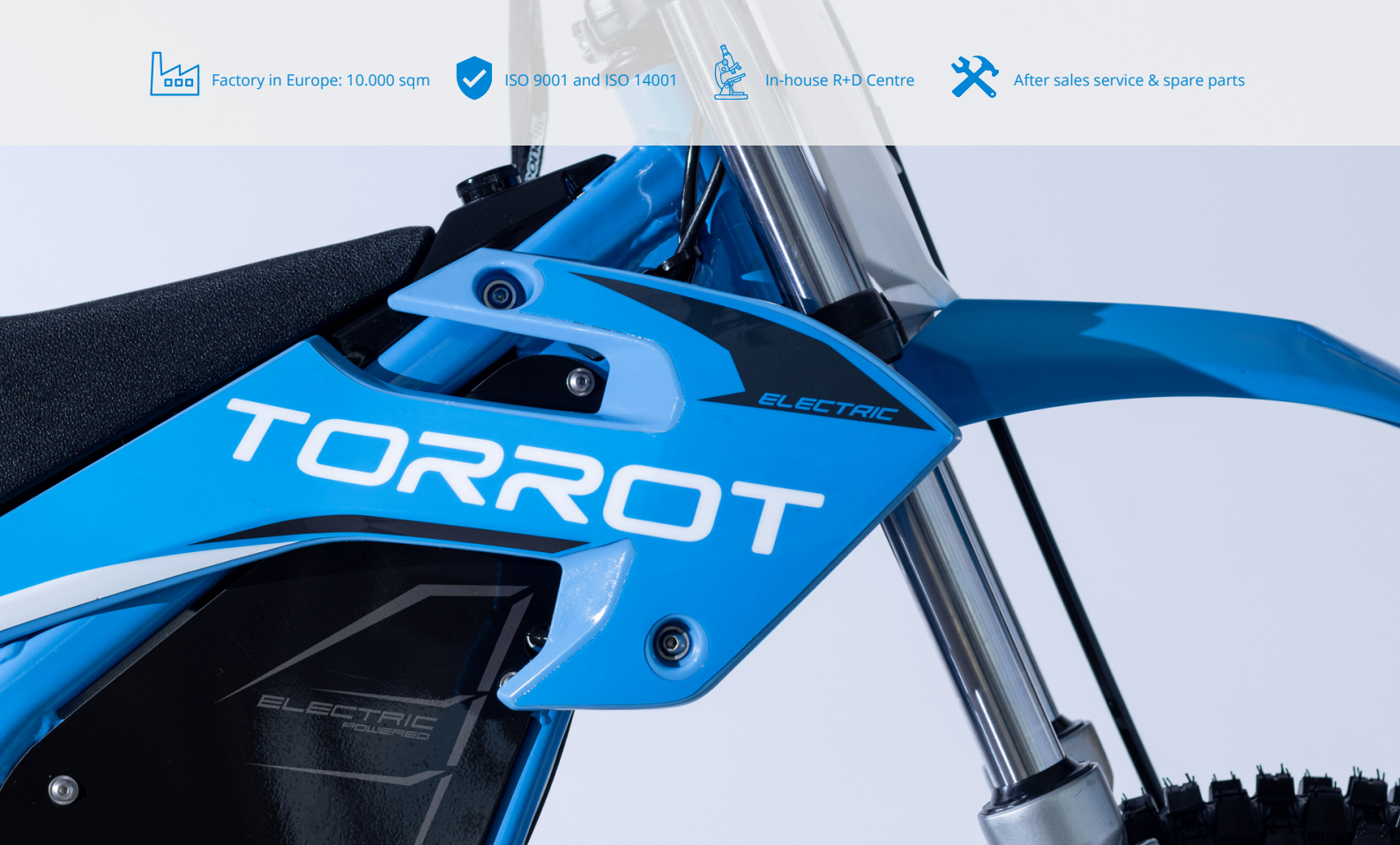
ISO 9001 and ISO 14001



In-house R+D Centre



After sales service & spare parts



Designed in our R+D department | Manufactured in our EU assembly line | Quality control procedures in our test bench

Procedures all-in-one: we design, we built and we test

KIDS

TORROT KIDS: ELECTRIC MOTOCROSS, ROAD & TRIAL BIKES

Our KIDS bikes, are designed to grow up with the rider.

Accompanying them through the journey of learning and gaining skills: starting with SERIES ONE for kids from 3 to 7 years old and the next step, SERIES TWO for kids from 6 to 10 years old.

SCAN
ME



RANGE KIDS

MOTOCROSS

TRIAL

SUPERMOTARD

SERIES
ONE



MX1



TR1



SM1

SERIES
TWO



MX2



TR2



SM2

MOTOCROSS MX1



MAX SPEED

42 km/h (26 mph).

Speed limiting device included.

SEAT HEIGHT

Adjustable height (550/575 mm).

APP AVAILABLE

Wireless connection for **parental control** & to customize **driving modes**. For Android & iOS devices.

NO EXTRA COSTS

All our motorcycles come with charger & battery **included**.



For young riders:
ages 3 to 7



Programmable output
up to 840 W



Easy & quick swappable
battery



App
available



2 years global warranty
(Spain and Portugal, 3 years)



Environmentally friendly and quiet,
the future of off-road

MX1 SPECS

CYCLE PART

Chassis Tubular - Steel.

Front suspension Hydraulic fork 95 mm travel.

Rear suspension Shock absorber with pre-load adjustment 85 mm travel.

Wheels Front: 10" x 1.60" / Rear: 10" x 1.60".

Tires Front: Michelin Starcross 10" 2.50 / Rear: Michelin Starcross 10" 2.50.

Brakes Front: 160 mm hydraulic / Rear: 160 mm hydraulic.

ENGINE

Battery Swappable 46.8V / 6.6Ah / 309Wh.

Motor Controller 48V / programmable parameters using the APP: speed, power, throttle response and motor retention (regeneration).

Motor Maximum power of 840 W. Max. speed 42 km/h (26 mph).

FEATURES

Weight with battery 31.5 kg.

Maximum rider weight 30 kg.

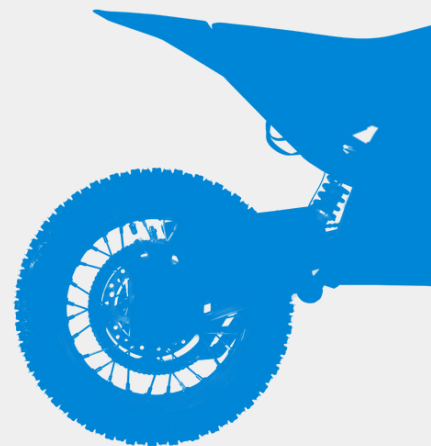
Charger 54.6V / 2A (≈4 hours to fully charged).

Other functionalities

App available: wireless parental control and power management.

Speed and power limiting device.

Adjustable vehicle height (two positions).



TRIAL TR1



MAX SPEED

42 km/h (26 mph).

Speed limiting device included.

SEAT HEIGHT

Adjustable height (490/515 mm).

APP AVAILABLE

Wireless connection for **parental control** & to customize **driving modes**. For Android & iOS devices.

NO EXTRA COSTS

All our motorcycles come with charger & battery **included**.



For young riders:
ages 3 to 7



Programmable output
up to 840 W



Easy & quick swappable
battery



App
available



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TRI SPECS

CYCLE PART

Chassis Tubular - Steel.

Front suspension Hydraulic fork 95 mm travel.

Rear suspension Shock absorber with pre-load adjustment 85 mm travel.

Wheels Front: 10" x 1.60" / Rear: 10" x 1.60".

Tires Front: TORROT Trial 10" / Rear: TORROT Trial 10".

Brakes Front: 160 mm hydraulic / Rear: 160 mm hydraulic.

ENGINE

Battery Swappable 46.8V / 6.6Ah / 309Wh.

Motor Controller 48V / programmable parameters using the APP: speed, power, throttle response and motor retention (regeneration).

Motor Maximum power of 840 W. Max. speed 42 km/h (26 mph).

FEATURES

Weight with battery 30 kg.

Maximum rider weight 30 kg.

Charger 54.6V / 2A (≈4 hours to fully charged).

Other functionalities

App available: wireless parental control and power management.

Speed and power limiting device.

Adjustable vehicle height (two positions).



SUPERMOTARD SM1



MAX SPEED

42 km/h (26 mph).

Speed limiting device included.

SEAT HEIGHT

Adjustable height (575/590 mm).

APP AVAILABLE

Wireless connection for **parental control** & to customize **driving modes**. For Android & iOS devices.

NO EXTRA COSTS

All our motorcycles come with charger & battery **included**.



For young riders:
ages 3 to 7



Programmable output
up to 840 W



Easy & quick swappable
battery



App
available



2 years global warranty
(Spain and Portugal, 3 years)



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SM1 SPECS

CYCLE PART

Chassis Tubular - Steel.

Front suspension Hydraulic fork 95 mm travel.

Rear suspension Shock absorber with pre-load adjustment 85 mm travel.

Wheels Front: 10" x 1.60" / Rear: 10" x 1.60".

Tires Front: Michelin Citygrip 90/90-10 / Rear: Michelin Citygrip 90/90-10.

Brakes Front: 160 mm hydraulic / Rear: 160 mm hydraulic.

ENGINE

Battery Swappable 46.8V / 6.6Ah / 309Wh.

Motor Controller 48V / programmable parameters using the APP: speed, power, throttle response and motor retention (regeneration).

Motor Maximum power of 840 W. Max. speed 42 km/h (26 mph).

FEATURES

Weight with battery 33 kg.

Maximum rider weight 30 kg.

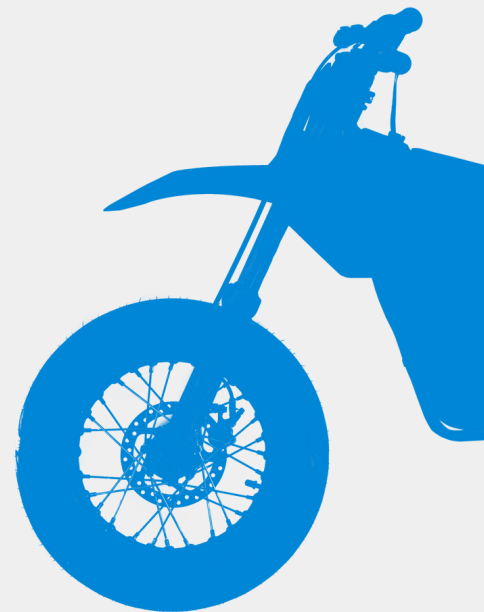
Charger 54.6V / 2A (≈4 hours to fully charged).

Other functionalities

App available: wireless parental control and power management.

Speed and power limiting device.

Adjustable vehicle height (two positions).



MOTOCROSS MX2



MAX SPEED

44 km/h (27 mph).

Speed limiting device included.

SEAT HEIGHT

640 mm.

APP AVAILABLE

Wireless connection for **parental control** & to customize **driving modes**. For Android & iOS devices.

NO EXTRA COSTS

All our motorcycles come with charger & battery **included**.



For young riders:
ages 6 to 10



Programmable output
up to 1500 W



Easy & quick swappable
battery



App
available



2 years global warranty
(Spain and Portugal, 3 years)



Environmentally friendly and quiet,
the future of off-road

MX2 SPECS

CYCLE PART

Chassis Tubular - Steel.

Front suspension Hydraulic fork 95 mm travel.

Rear suspension Oil shock absorber with pre-load adjustment 125 mm travel.

Wheels Front: 14" x 1.60" / Rear: 12" x 1.85".

Tires Front: Michelin Starcross 60/100-14 / Rear: Michelin Starcross 12" 2.50.

Brakes Front: 160 mm hydraulic / Rear: 160 mm hydraulic.

ENGINE

Battery Swappable 46.8V / 8.8Ah / 412Wh.

Motor Controller 48V / programmable parameters using the APP: speed, power, throttle response and motor retention (regeneration).

Motor Maximum power of 1500 W. Max. speed 44 km/h (27 mph).

FEATURES

Weight with battery 35 kg.

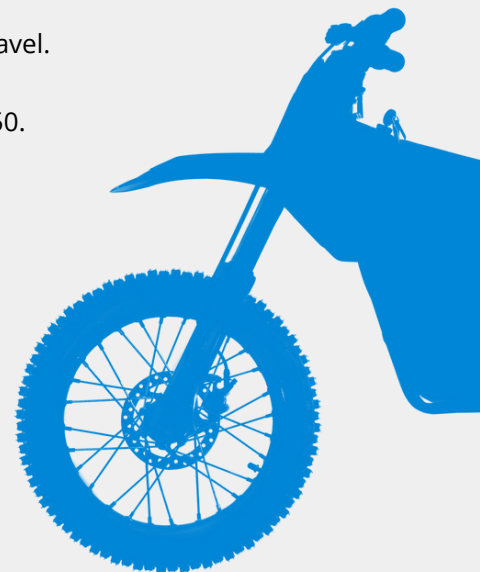
Maximum rider weight 30 kg.

Charger 54.6V / 2A (\approx 5 hours to fully charged).

Other functionalities

App available: wireless parental control and power management.

Speed and power limiting device.



TRIAL TR2



MAX SPEED

44 km/h (27 mph).

Speed limiting device included.

SEAT HEIGHT

550 mm.

APP AVAILABLE

Wireless connection for **parental control** & to customize **driving modes**. For Android & iOS devices.

NO EXTRA COSTS

All our motorcycles come with charger & battery **included**.



For young riders:
ages 6 to 10



Programmable output
up to 1500 W



Easy & quick swappable
battery



App
available



2 years global warranty
(Spain and Portugal, 3 years)



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the future of off-road

TR2 SPECS

CYCLE PART

Chassis Tubular - Steel.

Front suspension Hydraulic fork 95 mm travel.

Rear suspension Oil shock absorber with pre-load adjustment 125 mm travel.

Wheels Front: 12" x 1.60" / Rear: 12" x 1.60".

Tires Front: TORROT Trial 12" / Rear: TORROT Trial 12".

Brakes Front: 160 mm hydraulic / Rear: 160 mm hydraulic.

ENGINE

Battery Swappable 46.8V / 8.8Ah / 412Wh.

Motor Controller 48V / programmable parameters using the APP: speed, power, throttle response and motor retention (regeneration).

Motor Maximum power of 1500 W. Max. speed 44 km/h (27 mph).

FEATURES

Weight with battery 33 kg.

Maximum rider weight 30 kg.

Charger 54.6V / 2A (≈5 hours to fully charged).

Other functionalities

APP available: wireless parental control and power management.

Speed and power limiting device.



SUPERMOTARD SM2



MAX SPEED

44 km/h (27 mph).

Speed limiting device included.

SEAT HEIGHT

640 mm.

APP AVAILABLE

Wireless connection for **parental control** & to customize **driving modes**. For Android & iOS devices.

NO EXTRA COSTS

All our motorcycles come with charger & battery **included**.



For young riders:
ages 6 to 10



Programmable output
up to 1500 W



Easy & quick swappable
battery



App
available



2 years global warranty
(Spain and Portugal, 3 years)



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the future of off-road

SM2 SPECS

CYCLE PART

Chassis Tubular - Steel.

Front suspension Hydraulic fork 95 mm travel.

Rear suspension Oil shock absorber with pre-load adjustment 125 mm travel.

Wheels Front: 12" x 1.85" / Rear: 12" x 1.85".

Tires Front: Michelin Citygrip 90/90-12 / Rear: Michelin Citygrip 90/90-12.

Brakes Front: 160 mm hydraulic / Rear: 160 mm hydraulic.

ENGINE

Battery Swappable 46.8V / 8.8Ah / 412Wh.

Motor Controller 48V / programmable parameters using the APP: speed, power, throttle response and motor retention (regeneration).

Motor Maximum power of 1500 W. Max. speed 44 km/h (27 mph).

FEATURES

Weight with battery 37 kg.

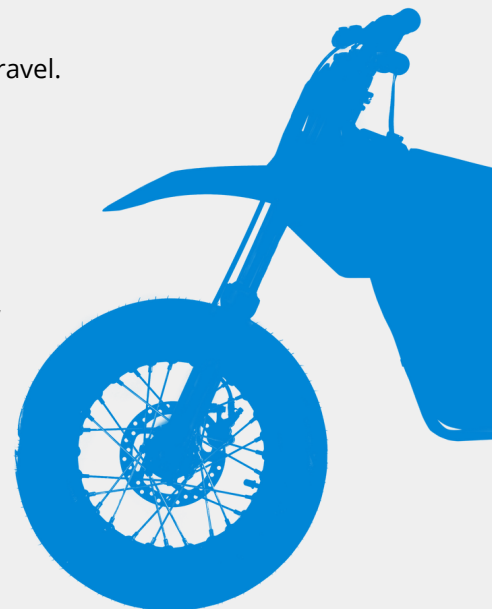
Maximum rider weight 30 kg.

Charger 54.6V / 2A (\approx 5 hours to fully charged).

Other functionalities

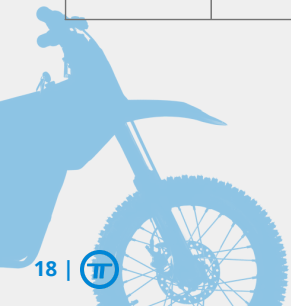
App available: wireless parental control and power management.

Speed and power limiting device.



SPECS COMPARATIVE TABLE

SERIES	MODEL	WHEIGHT	MAX. PILOT WEIGHT	MAX. SPEED	MOTOR POWER	SUSPENSION TRAVEL	WHEELS	BRAKES	SEAT HEIGHT
ONE	MX1	31.5 kg	30 kg	42 km/h (26 mph)	Max. power 840 W	95 mm / 85 mm	10" x 1,60" (front/rear)	160 mm hydraulic (front/rear)	550/575 mm
	TR1	30 kg	30 kg	42 km/h (26 mph)					490/515 mm
	SM1	33 kg	30 kg	42 km/h (26 mph)					575/590 mm
TWO	MX2	35 kg	30 kg	44 km/h (27 mph)	Max. power 1500 W	95 mm / 125 mm	14" x 1,60" / 12" x 1,85"		640 mm
	TR2	33 kg	30 kg	44 km/h (27 mph)			12" x 1,60" (front/rear)		550 mm
	SM2	37 kg	30 kg	44 km/h (27 mph)			12" x 1.85" (front/rear)		640 mm



APP KIDS

Use the app to customize different parameters of the bike such as **speed**, **power**, **throttle response** and **regeneration**, to adapt the bike's behavior to the rider skills and the most interesting thing for parents and trainers: the **parental control**. A wireless control that allows to limit, configure and even disconnect the motorcycle remotely from their smartphone in a safe way. The app that we have developed for our KIDS bikes is available for **Android** and **iOS** devices.



YOUTHS

OUR RANGE OF ELECTRIC DIRT BIKES HAS GROWN TO KEEP OFFERING THE RIGHT BIKE AT EACH STAGE: MEET THE MX3

Designed for ages 9 to 14, this NEW powerful motocross bike, built with the same quality components used in adult bikes, has arrived to beat any challenge.

SCAN
ME





MOTOCROSS MX3



65cc

Equivalent.

MAX SPEED

80 km/h (50 mph).

SEAT HEIGHT

752 mm.

APP AVAILABLE

Wireless connection for **parental control, driving maps, motorcycle status, location** & much **more**.
For Android & iOS devices.

NO EXTRA COSTS

All our motorcycles come with charger & battery **included**.



Ages 9 to 14



Programmable output
up to 8000 W



Easy & quick swappable
battery



App
available



2 years global warranty
(Spain and Portugal, 3 years)



Environmentally friendly and quiet,
the future of off-road

MX3 SPECS

CYCLE PART

Chassis Perimetral (double cradle) - Steel.

Front suspension Upside-Down telescopic forks 215 mm.

Rear suspension Linked suspension 270 mm.

Wheels Front: 14" x 1.40" | Rear: 12" x 1.60".

Tires Front: 60/100-R14 | Rear: 80/100-R12.

Brakes Front: 220 mm floating caliper, 2 pistons.
Rear: 190 mm floating caliper, 1 piston.

ENGINE

Battery Lithium. Swappable 58.8V / 33,6Ah / 1.69kWh.

Motor Controller Programmable.

Power Programmable power up to 8000 W. Max speed 80 km/h (50 mph).

Motor 9 kW.

FEATURES

Weight with battery 64 kg (141 LBS).

Maximum rider weight 50 kg (110 LBS).

Charger 58.8V / 600W (≈ 4 hours to fully charged).

Other functionalities Multi-functions app available for iOS & Android devices.



APP MX3

An **app designed exclusively for the MX3**, for an upgraded experience. Discover some features:

Full parental Control for peace of mind (Lock/Unlock Traction).

Parameter Configuration (Power, Speed, Throttle Response).

Motorcycle Status (Battery, Temperature, etc.).

Location of the Motorcycle 24/7 (even if Main Battery is removed).

Datalogging (Start/End Datalogging using a Chronometre, Lap counter also available).

Alert Notifications (Unauthorized movement, Low Battery, Battery removed, etc.).

Remote Locking (Disable the motorcycle in case of theft).

FOR THE LATEST UPDATED INFORMATION AND FOR IMPORTANT SAFETY INFORMATION
PLEASE READ CAREFULLY www.torrot.com/en/manuals

IN THE EVENT THAT BY MISTAKE THERE IS ANY DIFFERENCE WITH THE USER
MANUAL, THE INFORMATION CONTAINED IN THE USER MANUAL IS THE ONE THAT PREVAILS.

NON-CONTRACTUAL IMAGES: DUE TO TORROT ELECTRIC EUROPA S.A. CONSTANT
IMPROVEMENTS, THE SPECIFICATIONS AND EQUIPMENT MAY VARY WITHOUT PRIOR
NOTICE.





TORROT

sales@torrot.com | (+34) 972 406 115

torrot.com | [@torrot_official](#)     [f](#) [in](#)