



**RFN<sup>®</sup>**

**APOLLINO**

**OFF-ROAD ELECTRIC MOTO MENTOR**

RFN By Apollino





We are RFN, a motorcycle company with more than 20 years of history:  
Since 2003 we have specialized in electric bikes for the youngest riders:  
motocross, trials and superbikes.







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### ***Zhejiang Apollo Sports Technology Co., Ltd. - Company Profile***

Zhejiang Apollo Sports Technology Co., Ltd. is a global manufacturing company with over 20 years of expertise in the off-road motorcycle industry. We are dedicated to providing the new generation of riders with the ultimate off-road electric motorcycle experience. We continuously drive technological innovation and are committed to building a global riding community. Our core values are exceeding customer expectations, sharing wealth creation, and fulfilling environmental responsibilities, providing a professional platform for off-road electric products and services to users worldwide.

### ***Global Presence and Brand Influence***

Apollino products are available in more than 75 countries worldwide. Our gasoline-powered sub-brands, including AM®, RXF®, and RFZ®, enjoy a strong reputation in international markets, showcasing our deep roots and expertise in the off-road sector. In response to the new generation's demand for sustainable technology and personalization, our electric brand RFN® is positioned as the "Off-Road Electric Motorcycle Mentor." We actively integrate AI technology and other advanced innovations, developing a comprehensive range of off-road products for riders from ages 3 to adults. Our focus on high aesthetics, lightweight design, high cost-performance, and ultimate user experience ensures our products are safe, reliable, and passionately engaging, providing users with a profound spiritual experience.

### ***Market Insights and Brand Spirit***

Apollino's success in the global market is not only based on stringent product quality control but also on our keen insights into market trends and a deep understanding of the new generation's needs. Through the establishment of Apollino Off-Road Space Stations, we promote our "Products + Scenario + Service" business model worldwide. This model continually optimizes the user experience and promotes the brand spirit of "Be Braver," actively fostering the culture of off-road riding.

### ***Future Outlook***

Looking ahead, Apollino will continue to focus on technological innovation and sustainable practices, attracting top innovative talent from around the world. We are committed to establishing a world-leading electric motorcycle research and development center. Our goal is to offer users a diverse range of high-aesthetic, lightweight, and high-performance electric motorcycles. We believe that as Apollino continues to grow, we will inspire every rider's passion, embarking on a journey filled with speed, passion, innovation, and freedom, exploring the limitless possibilities of the future. Ultimately, we aim to establish Apollino as a global leader in the off-road electric motorcycle industry.





Factory in China: 60000 M<sup>2</sup>



ISO 9001 ISO 14001 ISO 45001



In-house R+D Centre



Aftersales service & spare parts



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

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



# KIDS

## KIDS: ELECTRIC MOTOCROSS

Our KIDS bikes are more than just vehicles—they are companions in every child's journey of growth and adventure. Designed to grow with young riders, our bikes are crafted to inspire confidence, nurture skills, and ignite a lifelong passion for exploration.

Starting with WARRIOR KIDS, our entry-level series for children aged 3 to 6, we focus on safety, simplicity, and fun. These bikes are built to help young riders take their first steps into the world of electric motocross, with lightweight designs, adjustable speed modes, and durable construction that ensures a safe and enjoyable experience.





# WARRIOR **KIDS**

**RFN**<sup>®</sup>

SERIES  
**ONE**



90cm-110cm

SX-E150



SX-E250



SX-E350



110cm-120cm

SX-E500





# SX-**E150**

WARRIOR KIDS



Seat Height **460mm**

Wheelbase **665mm**

## **BATTERY CAPACITY**

Lithium battery 62.4 Wh

## **MAX SPEED**

**13 km/h | 8.1 mph**

Second gear speed control device.

## **SEAT HEIGHT**

Standard height (460mm)

Wheel 12"/12"

## **RANGE**

**8km**(6km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:29.4V **1A@3H**



Rider's height:  
90cm-110cm



Programmable output  
up to 62.4 Wh



Easy & quick replaceable  
battery



App  
available



1 years  
global warranty



Environmentally friendly and quiet,  
the future of off-road

# SX- **E250**

WARRIOR KIDS



Seat Height **460mm**

Wheelbase **665mm**

## **BATTERY CAPACITY**

Lithium battery **187.2 Wh**

## **MAX SPEED**

**25 km/h | 15.9 mph**

Three-speed speed control device.

## **SEAT HEIGHT**

Standard height (460mm)

Wheel 12"/12"

## **RANGE**

**15km**(8km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:42V **2A@3H**



Rider's height:  
90cm-110cm



Programmable output  
up to 187.2 Wh



Easy & quick replaceable  
battery



App  
available



1 years  
global warranty



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# SX- **E350**

WARRIOR KIDS



## **BATTERY CAPACITY**

Lithium battery **180 Wh**

## **MAX SPEED**

**30 km/h | 18.1 mph**

Three-speed speed control device.

## **SEAT HEIGHT**

Standard height (490 mm)

Wheel 14"/14"

## **RANGE**

**13km**(15km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:42V **2A@3H**



Rider's height:  
110cm-120cm



Programmable output  
up to 180 Wh



Easy & quick replaceable  
battery



App  
available



1 years  
global warranty



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# SX- **E500**

WARRIOR KIDS



## **BATTERY CAPACITY**

Lithium battery **270 Wh**

## **MAX SPEED**

**35 km/h | 21.1 mph**

Three-speed speed control device.

## **SEAT HEIGHT**

Standard height (490 mm)

Wheel 14"/14"

## **RANGE**

**18km**(15km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:42V **3A@3H**



Rider's height:  
100cm-120cm



Programmable output  
up to 270 Wh



Easy & quick replaceable  
battery



App  
available



1 years  
global warranty



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# SPECS COMPARATIVE TABLE

Warrior Kids				
Model Code	SX-E150	SX-E250	SX-E350	SX-E500
Rider Height	90-110cm	90-110cm	100-120cm	100-120cm
Battery	Lithium battery 26.4 Wh	Lithium battery 187.2 Wh	Lithium battery 180 Wh	Lithium battery 270 Wh
Motor	150W	250W	350W	500W
Range	8km	15km	13km	18km
Top speed	13km/h	25km/h	30km/h	35km/h
Seat Height	460mm	460mm	490mm	490mm
Wheelbase	665mm	665mm	685mm	685mm
Front suspension	/	Spring Suspension	Spring Suspension	Spring Suspension
Rear suspension	Spring Suspension	Spring Suspension	Spring Suspension	Spring Suspension
Brake Disc Diameter	Mechanical Disc Brake	Mechanical Disc Brake	Mechanical Disc Brake	Hydraulic Disc Brake
APP	√	√	√	√
Packing quantity	40HQ:625Pcs	40HQ:625Pcs	40HQ:625Pcs	40HQ:625Pcs



# YOUTHS

## YOUTHS: ELECTRIC MOTOCROSS

Our YOUTH bikes are engineered to empower young riders as they transition from beginners to confident adventurers. Designed to grow with their skills and ambitions, these bikes combine advanced technology, rugged performance, and safety features to inspire the next generation of motocross enthusiasts.

Starting with WARRIOR YOUTH, our intermediate series for riders aged 6 to 10, we focus on delivering a balance of power, control, and durability. These bikes are built to handle more challenging terrains, offering young riders the thrill of speed and the confidence to explore new limits.

For those ready to take their skills to the next level, the WARRIOR series, designed for riders aged 8 to 12, delivers unmatched performance with powerful motors, advanced suspension systems, and long-lasting batteries. These bikes are perfect for young riders who crave the excitement of competitive motocross or simply want to push their boundaries on the trails.





# WARRIOR YOUTH

SX-E2

SX-E3

SX-E5

SERIES  
**TWO**



110cm-140cm



# WARRIOR

SX-E8

SX-E10

SERIES  
**THREE**



140cm-160cm



# SX-**E2**

# WARRIOR YOUTH



## **BATTERY CAPACITY**

Lithium battery **720 Wh**

## **MAX SPEED**

**45 km/h | 27.2 mph**

Includes emergency power off switch.

## **SEAT HEIGHT**

**Adjustable** height (600-690 mm)

Wheel F **60/100-14"|12"|10"**, R **70/100-12"|10"**

## **RANGE**

**18km**(35km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:54.6V **4.5A@3.5H**



Rider's height:  
110cm-140cm



Programmable output  
up to 720 Wh



Easy & quick replaceable  
battery



1 years  
global warranty



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# SX- **E3**

# WARRIOR YOUTH



## **BATTERY CAPACITY**

Lithium battery **720 Wh**

## **MAX SPEED**

**50 km/h | 31.1 mph**

Includes emergency power off switch.

## **SEAT HEIGHT**

**Adjustable** height (600/650 mm)

Wheel F 60/100-10", R 70/100-10"

## **RANGE**

**18km**(35km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:54.6V **4.5A**@3.5H



Rider's height:  
110cm-130cm



Programmable output  
up to 720 Wh



Easy & quick replaceable  
battery



1 years  
global warranty



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# SX- **E5**

# WARRIOR YOUTH



Seat Height **615/665mm**

Wheelbase **1032mm**

## **BATTERY CAPACITY**

Lithium battery **1200 Wh**

## **MAX SPEED**

**60 km/h | 37.5 mph**

Includes emergency power off switch.

## **SEAT HEIGHT**

**Adjustable** height (615/665 mm)

Wheel F 60/100-12", R 70/100-10"

## **RANGE**

**30km**(35km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:54.6V **4.5A@6H**



Rider's height:  
120cm-140cm



Programmable output  
up to 1200 Wh



Easy & quick repalceable  
battery



1 years  
global warranty



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## **BATTERY CAPACITY**

Lithium battery **2100 Wh**

## **MAX SPEED**

**85 km/h | 52.1 mph**

Includes emergency power off switch.

## **SEAT HEIGHT**

Standard height (745 mm)

Wheel F 60/100-14", R 80/100-12"

## **RANGE**

**60km**(25km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:67.2V **14A@3h**



Rider's height:  
140cm-160cm



Programmable output  
up to 2100 Wh



Easy & quick repalceable  
battery



1 years  
global warranty



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## **BATTERY CAPACITY**

Lithium battery **3360 Wh**

## **MAX SPEED**

**80 km/h | 49.1 mph**

Includes emergency power off switch.

## **SEAT HEIGHT**

Standard height (735 mm)

Wheel F 60/100-14", R 80/100-12"

## **RANGE**

**100km**(40km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:109.2V **14A@3h**



Rider's height:  
140cm-160cm



Programmable output  
up to 3360 Wh



1 years  
global warranty



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# SPECS COMPARATIVE TABLE

Warrior Youth				Warrior	
Model Code	SX-E2	SX-E3	SX-E5	SX-E8	SX-E10
Rider Height	110-140cm	110-130cm	120-140cm	140-160cm	140-160cm
Battery	Lithium battery 720 Wh	Lithium battery 720 Wh	Lithium battery 1200 Wh	Lithium battery 2100 Wh	Lithium battery 3360 Wh
Motor	1kW	2kW	2kW	6kW	8kW
Range	18km	18km	30km	60km	100km
Top speed	45km/h	50km/h	60km/h	85km/h	80km/h
Seat Height	600-690mm	600/650 mm	615/665mm	745mm	745mm
Wheelbase	1030mm	1032mm	1032mm	1145mm	1145mm
Front suspension	Damping Suspension	Damping Suspension	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks
Rear suspension	Damping Suspension	Damping Suspension	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks
Brake Disc Diameter	Hydraulic Disc Brake	Hydraulic Disc Brake	Hydraulic Disc Brake	Hydraulic Disc Brake	Hydraulic Disc Brake
Packing quantity	40HQ:236Pcs	40HQ:236Pcs	40HQ:236Pcs	40HQ:168Pcs	40HQ:168Pcs





# ADULTS

## ADULTS: ELECTRIC MOTOCROSS, ROAD

Our ADULTS bikes are built for those who demand the ultimate in performance, innovation, and adrenaline. Designed for riders aged 16 and above, these bikes combine cutting-edge technology, professional-grade components, and unmatched power to redefine what's possible in electric motocross.

Starting with WARRIOR PRO, our advanced series for riders aged 16 and up, we deliver a perfect blend of power, precision, and durability. Featuring the world's first axial flux motor, this bike offers explosive torque, superior handling, and the ability to conquer any terrain with ease.

For the ultimate thrill-seekers, the WARRIOR RACE series is designed for professional riders and enthusiasts aged 16 and above. With a staggering high performance motor and a top speed of 140km/h, this bike is engineered to dominate the track and push the boundaries of electric motocross performance.



SERIES  
**FOUR**



MX-E15



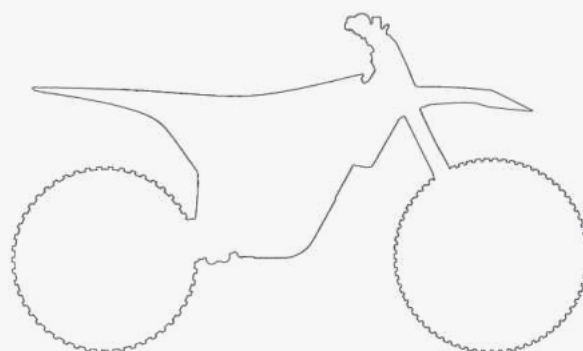
MX-E15Plus



SERIES  
**FIVE**



SX-E60



**WARRIOR  
RACE**

# SX-**E15**

## WARRIOR PRO



### **BATTERY CAPACITY**

Lithium battery **2960 Wh**

### **MAX SPEED**

**90km/h | 55.9mph**

Includes emergency power off switch.

### **SEAT HEIGHT**

Standard height (880 mm)

Wheel F 70/100-19", R 90/100-16"

### **RANGE**

**80km**(25km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:84V **10A@4h**



Rider's height:  
160cm+



Programmable output  
up to 2960 Wh



Easy & quick replaceable  
battery



1 years  
global warranty



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# SX-**E15 PLUS**

WARRIOR PRO

Seat Height **920mm**



Wheelbase **1340mm**

## **BATTERY CAPACITY**

Lithium battery **2960 Wh**

## **MAX SPEED**

**100km/h | 62.1mph**

Includes emergency power off switch.

## **SEAT HEIGHT**

Standard height (920 mm)

Wheel F 80/100-21", R 90/100-18"

## **RANGE**

**80km**(25km/h, Temperature 25 °C, Flat pavement)

Charge 0-100%DC:84V **10A@4h**



Rider's height:  
170cm+



Programmable output  
up to 2960 Wh



Easy & quick replaceable  
battery



1 years  
global warranty

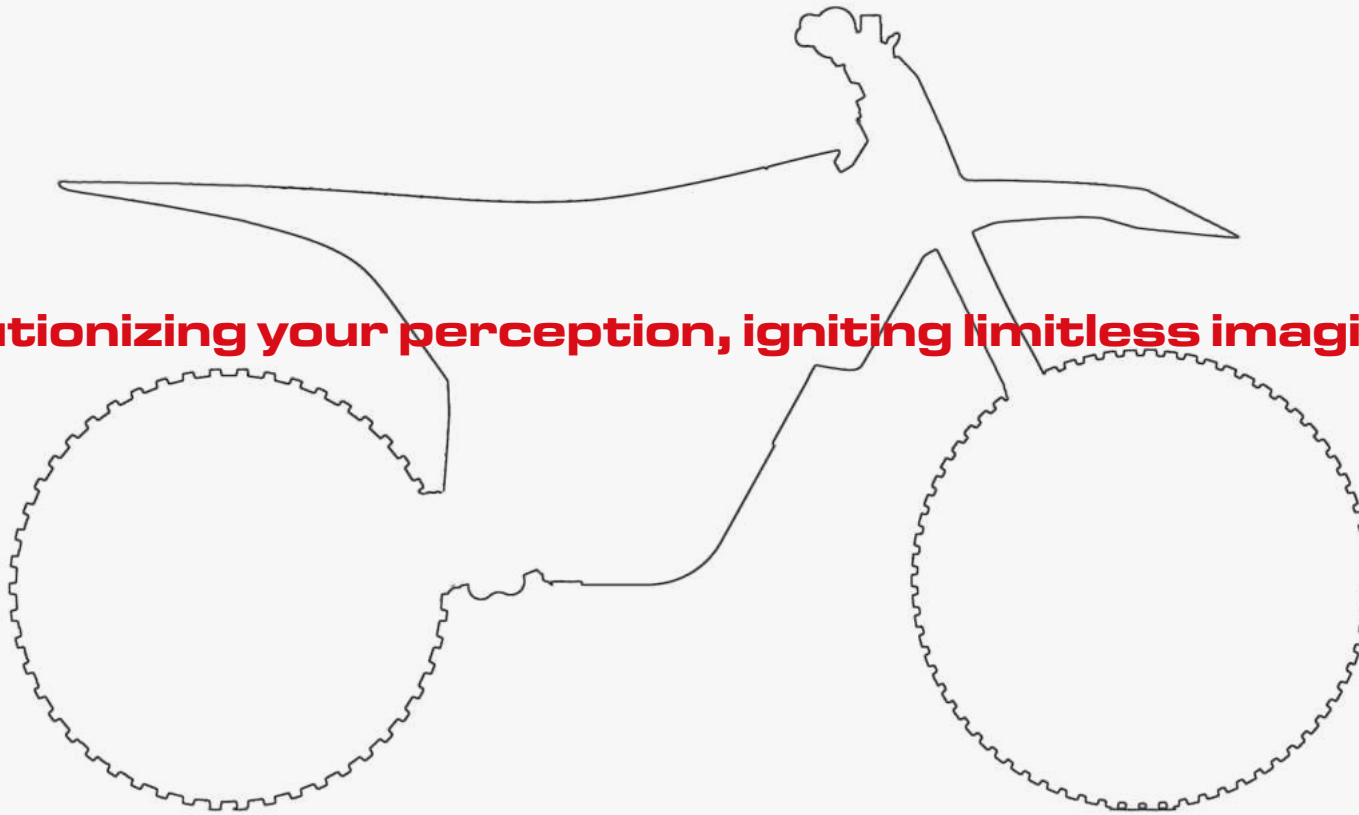


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SX- **E60**

WARRIOR RACE

**Revolutionizing your perception, igniting limitless imagination.**



The all-new motorcycle  
a perfect riddle of design and performance

# SPECS COMPARATIVE TABLE

Warrior Pro		
Model Code	SX-E15	SX-E15 Plus
Rider Height	160cm+	170cm+
Battery	Lithium battery 2960 Wh	Lithium battery 2960 Wh
Motor	8kW	8kW
Range	80km	80km
Top speed	90km/h	100km/h
Seat Height	880mm	920mm
Wheelbase	1340mm	1340mm
Front suspension	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks
Rear suspension	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks
Brake Disc Diameter	Hydraulic Disc Brake	Hydraulic Disc Brake
Packing quantity	40HQ:124Pcs	40HQ:124Pcs





# LIGHT OFF-ROAD

## **ARES: The Perfect Balance of Adventure & Everyday Ride**

The RFN ARES series is built for riders seeking the perfect introduction to off-road adventure. Designed for entry-level and intermediate riders, ARES offers a lightweight chassis, agile handling, and a well-balanced powertrain—ensuring confidence and control on every ride.

Blending urban mobility with trail-ready capability, ARES is the ideal choice for exploring winding mountain paths and rugged terrain without being overly aggressive. Its moderate power output strikes the perfect balance between performance and accessibility, making it the go-to electric dirt bike for those who want to experience the thrill of off-road riding without sacrificing everyday usability.

For those who need legal road access, the ARES ROAD edition is fully compliant with regulations, offering a seamless transition between city streets and off-road trails. Meanwhile, the ARES RALLY PRO delivers an upgraded riding experience, featuring an enhanced suspension system, improved chassis stability, and optimized power output—allowing riders to push their limits with even greater confidence.

Whether you're navigating city streets or tackling scenic backcountry trails, the RFN ARES redefines the light off-road category with versatility, control, and uncompromised fun.



SERIES  
**SIX**



RALLY



RALLY PRO



ENDURANCE



ROAD





Seat Height **860mm**

Wheelbase **1330mm**

## BATTERY CAPACITY

Lithium battery **2590 Wh**

## MAX SPEED

**65km/h | 40.6mph**

Includes emergency power off switch.

## SEAT HEIGHT

Standard height (860 mm)

Wheel F 70/100-19", R 90/100-18"

## RANGE

**140km**(25km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:84 V **10 A**@3h



Rider's height:  
160cm+



Programmable output  
up to 2590 Wh



Easy & quick replaceable  
battery



1 years  
global warranty



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Seat Height **860mm**

Wheelbase **1330mm**

## BATTERY CAPACITY

Lithium battery **3132 Wh**

## MAX SPEED

**78km/h | 48.75mph**

Includes emergency power off switch.

## SEAT HEIGHT

Standard height (860 mm)

Wheel F 70/100-19", R 90/100-18"

## RANGE

**140km**(25km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:84 V **10 A**@4.5h



Rider's height:  
160cm+



Programmable output  
up to 3132 Wh



Easy & quick replaceable  
battery



1 years  
global warranty



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# ENDURANCE

ARES



Seat Height **860mm**

Wheelbase **1330mm**

## BATTERY CAPACITY

Lithium battery **2590 Wh**

## MAX SPEED

**45km/h | 28mph**

Includes emergency power off switch.

## SEAT HEIGHT

Standard height (860 mm)

Wheel F 2.75-19", R 3.0-18"

## RANGE

**160km**(25km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:84 V **10 A**@3h



Rider's height:  
160cm+



Programmable output  
up to 2590 Wh



Easy & quick replaceable  
battery



1 years  
global warranty



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Seat Height **835mm**

Wheelbase **1330mm**

## BATTERY CAPACITY

Lithium battery **2590 Wh**

## MAX SPEED

**45km/h | 28mph**

Includes emergency power off switch.

## SEAT HEIGHT

Standard height (860 mm)

Wheel F 80/90-17", R 100/80-17"

## RANGE

**160km**(25km/h, Temperature 25 °C, Flat pavement)

Charge 0-100% DC:84 V **10 A**@3h



Rider's height:  
150cm+



Programmable output  
up to 2960 Wh



Easy & quick replaceable  
battery



1 years  
global warranty



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# SPECS COMPARATIVE TABLE

ARES				
Model Code	RALLY	RALLY PRO	ENDURANCE	ROAD
<b>Rider Height</b>	160cm+	160cm+	160cm+	150cm+
<b>Battery</b>	Lithium battery 2590 Wh	Lithium battery 3132 Wh	Lithium battery 2590 Wh	Lithium battery 2590 Wh
<b>Motor</b>	5kW	6.5kW	4kW	4kW
<b>Range</b>	140km	140km	160km	160km
<b>Top speed</b>	65km/h	78km/h	45km/h	45km/h
<b>Seat Height</b>	860mm	860mm	860mm	835mm
<b>Wheelbase</b>	1330mm	1330mm	1330mm	1330mm
<b>Front suspension</b>	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks
<b>Rear suspension</b>	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks	Dual-Adjustable Damping Shocks
<b>Brake Disc Diameter</b>	Hydraulic Disc Brake	Hydraulic Disc Brake	Hydraulic Disc Brake	Hydraulic Disc Brake
<b>Packing quantity</b>	40HQ:144Pcs	40HQ:144Pcs	40HQ:144Pcs	40HQ:144Pcs





# APP

An app designed exclusively for the **RFN**, 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).





[www.RFNbike.com](http://www.RFNbike.com)     