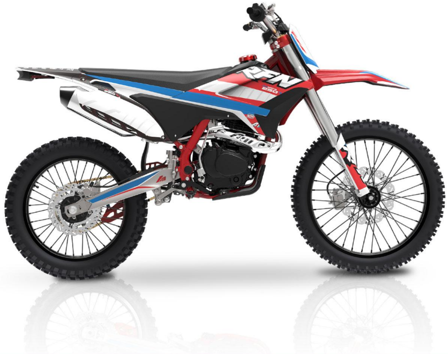
Thunder 250

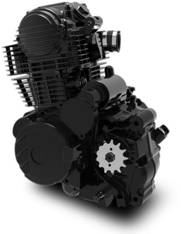
Achieve the peak with you

Thunder 250

Thunder 250 is a lightning series off-road motorcycle independently developed by Apollo. Once launched, it has achieved excellent results in regional competitions worldwide. As the saying goes, " A chain is no stronger than its weakest link. – Arthur Conan Doyle " We are aiming to the best, and we won't compromise on imperfection.Thunder 250 models are all specially designed with the iconic lightweight frame, equipped with a series of top-of-the-line components, all specially designed and improved by Apollo's own research and development department. Thunder 250 motocross bike, achieve the peak with you.



In Apollo Sports Technology, we are dedicated to crafting the most innovative 4-stroke motorcycles in the world. Now our products enjoy a good reputation at home and aboard. Under the spirit of motorcycle racing, we provide excellent products to customers worldwide. The attention to detail creates every product's success. At Apollo Sports Technology, everyone understands that constant innovation separates us from the rest.



POWERFUL ENGINE

The Thunder 250's fuel-injected SOHC engine delivers the best power-to-weight ratio on the market in a compact size and astonishing power output. This engine can provide a power output that is ahead of the same level of models in the entire speed range, and is as light as 31KG, and the power and torque provided are similar to those of the world's top engines of the same displacement

EFFICIENT COOLING

Maintaining optimum engine temperature is critical to help ensure consistent power delivery throughout the stroke. The Thunder 250's radiator mounts close to the center of gravity and perfectly matches the shroud design for perfect ergonomics. The radiator equips with special protection against flying stones and grit. While it acts as an effective support to disperse energy around the radiator in the event of an impact.

SOPHISTICATED EXHAUST SYSTEM

When it comes to power transfer and performance, the exhaust pipes will play a key role, and once they're out there, it's a smash hit. All four-stroke Thunder 250 models feature a two-piece exhaust front section (front bend) pipe for easy removal and shock absorption. The stainless steel muffler housing has a short length and a compact structure, which brings the weight closer to the center of gravity, resulting in a more concentrated body mass.

FEATURES & BENEFITS

STYLING DESIGN

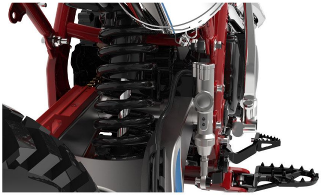
Thunder 250 was designed by a famous Italian designer. After 18 months and 36 revisions, with the full cooperation of the two major design teams in China and Italy, the European-style Lightning series of off-road motorcycles was officially launched in 2021

WHEEL

Apollo uses CNC-machined lightweight axles and high-end aluminum alloy rims on all high-end Lightning models to ensure maximum stability at the lightest possible weight. The innovative design of the stainless steel spoke connection effectively reduces the frequency of tightening the spokes.

FRONT SUSPENSION

Thunder 250 models are equipped with the latest upside-down forks with diameters of 51mm/54mm, featuring a split fork design developed by Apollo. There are springs on both sides, but their damping functions are independent. Compression damping and rebound damping are easily adjustable by using dials on top of the fork tubes. Despite its excellent response and damping characteristics, the fork remains a calibrated mid-valve piston for constant damping. This setup keeps the front end higher in the stroke, providing superior bottoming resistance.



REAR SUSPENSION

The Thunder 250 shock is a key element of a mature rear suspension design (Progressive Damping System), where the shock is directly connected to the swingarm without additional linkages. In addition to reducing the burden on the body, it can also reduce the probability of hooking on raised rocks. The optimum progressive damping characteristic of enduro models is provided by a secondary piston that works in conjunction with a closed cup at the end of the stroke. It is supported by a progressive shock spring. The setup is fully adjustable, including high and low-speed compression, so you can set the damping to suit the different preferences of your tracks, route and rider.

FEATURES & BENEFITS

BODYWORK

Apollo has been building bikes, we've been into enduro in a big way. With 2-stroke and 4-stroke bikes that all feature the latest technologies, distinctive styling all models deliver well-proven performance for no-nonsense riding enjoyment.

FORK STEERING PLATE

All Thunder 250 models feature high-end CNC machined red anodized fork steering plate with a 40mm offset to securely hold the fork in place for precise handling. The handlebars can be adjusted up and down, so the Thunder 250 fits perfectly in your favorite riding position.

ADVANCED BRAKING SYSTEM

It uses an advanced hydraulic braking system and lightweight wave brake discs. As a result, this motocross bike brakes with ease and provides an excellent braking feel. The rear brake pedal is secured with a safety wire for added strength and reliability.

RIGID AND FLEXIBLE FRAME FRAMEDESIGN

Thunder 250 models feature a high-tech lightweight steel frame. These include hydroformed components produced by a state-of-the-art robotic welding process. The frame features track-proven geometry and optimum stiffness to provide the rider with great feedback, allowing for more agile handling while delivering exceptional stability.

REAR SWINGARM

One-piece sheet metal construction swingarm provides excellent strength at the lightest possible weight. The one-piece sheet metal process reduces weight, optimizes flexibility, and supports multiple geometric design solutions.

INNOVATIVEPEDALS DESIGN

The cleverly designed "dust-free" pedals effectively prevent clogging of the pedals, even when driving deeply. The pedal height has been changed on the Thunder 250 model compared to the other models. Therefore, it can obtain greater ground clearance.

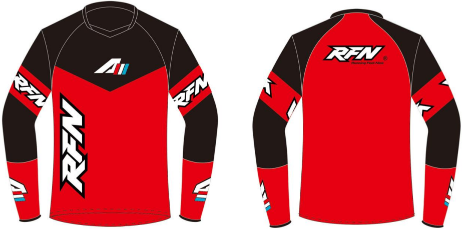
PERFECT HANDLEBAR CONTROL

Thunder 250 models all feature the same high-strength aluminum alloy tapered handlebars that can be mounted in four different positions. The right handlebar comes standard with a hard grip, while the left handlebar has a comfortable locking grip that holds it securely without any ferrules or glue. The Apollo logo on the handlebar always shows the identity of its unique model to the spectator.

FEATURES & BENEFITS

TECHNICAL DETAILS

Specification	
Engine Type:	ZongShen CB250 engine , displacement 223cc , manual clutch 5 gear (1-N-2-3-4-5)
Carburetor:	YOU-ALL PE28
Cooling	Air cooling
Drive	#530 chain drive
Ignition:	Electric start & Kick start
Power:	12 kw/7000rpm
Max speed:	95km/h
Tank Capcity	6.5L
Fr & Rr wheels	Fr wheel : Aluminum rim and hub , 80/100-21" Yuanxing off-road tire Rr wheel : Aluminum rim and hub , 100/90-18" Yuanxing off-road tire
Front fork	830mm double-Adjustable hydraulic front fork , travel distance 200mm
Rear shock absorber	450mm single-Adjustable hydraulic rear shock absorber , travel distance 70mm
Handlebar	Aluminum Fat handlebar
Clamps	Forged aluminum clamps
Frame	Steel
Rear swing arm	Steel
Brake	Fr brake hydraulic dis brake by hand, brake disc f 270mm Rr brake hydraulic disc brake by foot , brake disc f 240mm
Muffler	Stainless steel
Wiring harness	Waterproof wiring harness
Dimensions	
Seat height	910mm
Max Load	90kg
G.W./N.W.	122kg/106kg
Wheel base	1340mm
Ground clearance	340mm
Product built size	2010 × 810 × 1075 mm
Product packing size	1760 × 430 × 880 mm

TECHNICAL ACCESSORIES