



AMPYRE



## AMPYRE // The ultimate All-Terrain e-Scooter (ATS)



Discover a new way to conquer your environment with the Ampyre Arrow, the ultimate all-terrain e-scooter designed for adventurers seeking thrills and exploration.

Featuring a powerful 3000W hub motor, the Arrow delivers exhilarating speeds of up to 60 km/h (Off-Road version) making every ride an adrenaline-pumping experience.

Thanks to its alu 7075 CNC machined frame and full custom suspension system the arrow ensures a smooth and precise ride, even on the most challenging terrain.

Safety is paramount, which is why Ampyre is equipped with 4-piston brakes on the front and back wheels, providing reliable stopping power when you need it most.

The 1,8 kWh battery offers an impressive 90 km range, allowing you to embark on longer journeys without worrying about recharging. But Ampyre doesn't stop at performance alone.

Personalization is key, and with a range of optional upgrades available, you can customize your ride to suit your preferences. Choose from different suspension options, brake systems, lights, mudguards, frame colors, handlebars and tires to create your perfect all-terrain companion.

Ampyre is set to revolutionize the e-scooter market, appealing to adventure enthusiasts, outdoor explorers, and those seeking an eco-friendly mode of transportation.

Experience the thrill of Ampyre and discover a new world of possibilities.





## AMPYRE // Key features AMPYRE Arrow



# AMPYRE // Detailed features AMPYRE Arrow

## Components standard version

- **Front fork:** Formula Selva C 170 mm, Thru axle 110X20 Boost QR
- **Front fork:** Formula Nero C 200 mm, Thru axle 110X20 Boost (Option)
- **Rear suspension:** Formula MOD 230X65
- **Brakes:** Formula Cura 4 Front/Rear
- **Disc rotor:** Formula 203 mm Front/Rear
- **Handelbars:** Reverse H-Bar E-Element 800 Ø31.8/R40mm (Safety-Level 5 EFBE E-MTB Tri Test)
- **Stem:** Reverse Components Stem Base Ø 31.8mm (Safety-Level 4 EFBE E-MTB Tri Test)
- **Headset:** Reverse Components
- **Grip:** Reverse Grip Booster Single LockOn
- **Deck:** Ampyre Prisma milled out of 7075 Al
- **Front HUB:** Erase 36H
- **Rims:** Ryde Andra 29 - 36H

## Numbers

- **Travel front fork:** Selva C (single crown) : 170 mm  
Nero C (double crown) : 200 mm
- **Travel rear suspension:** Mod : 170 mm
- **Ground clearance :** 258 mm
- **Wheelbase :** 1280 mm (center as naar center as)
- **Angle of direction :** 63°
- **Wheel diameter :** 27,5"
- **Weight:** 42kg

## Propulsion

- **Controller:** ASI BAC 855, 70 amp nominal, 90 amp peak power
- **Display:** Eggrider with Bluetooth connection
- **Battery:** Custom 60V 30Ah 1,8 Kwh (16S6P) battery made with Samsung 21700 50E cells
- **Motor:** Crystalyte 3000W HUB motor (direct drive)

## Versions

**Road Legal version:** max speed limited at 20 or 25 km/h, homologated for use on public roads. All e-Scooters will be delivered following the rules and regulations of the customers country

**Off-Road version:** max speed 60 km/h, with 25 km/h mode for paddocks & low speed areas, NOT homologated for use on public roads.

## Techniscal specifications frame

- Machined frame from aerospace-grade billet aluminium (Al 7075)
- High-pivot kinematics with dedicated rear suspension linkage, machined from billet 7075 aluminium
- Hardware (axles & bolts) machined in 7075 aluminium
- Waterproof bearings-
- Waterproof battery (IP67), removable without tools, all-aluminium case with pressure relief valve
- Controller protected in a waterproof (IP68) cast aluminium enclosure with pressure relief valve