

ALPHA NEO

ALPHA NEO is the new generation of the ALPHA bike, the first fuel cell powered ebike to be certified and marketed. More efficient, greener and more competitive, it is designed to set new standards for eco-mobility and green energy.

INSTANT REFILL

The ALPHA NEO is refilled with hydrogen in less than 2 minutes using a convenient H₂ filling station.

EXCEPTIONAL RUN-TIME

The fuel cell and integrated hydrogen storage delivers an unrivaled range of over 90 miles (150km) on a single charge.

REMOVABLE ENERGY PACK

The ALPHA NEO energy package is removable for more efficient servicing

CONNECTED

The ALPHA NEO is a connected bike, it can communicate with H₂ stations and an AI platform for fleet operators

- ✓ Energy: 1300 Wh
- ✓ H₂ tank: 300 bar
- ✓ Motor assisted up to 25 km/h
- ✓ Wide operating temperature range:
Summer/winter
- ✓ Lowest carbon footprint



ALPHA NEO SPECIFICATIONS

TECHNICAL SPECIFICATIONS

TYPE	..... Pedal electric cycle (Pedelec) compliant with EN 92/61/EEC
MOTOR	..... TDCM Wheel motor
POWER	..... 250W continuous / 350W peak
VOLTAGE	..... 36V
TORQUE	..... 36 Nm max
WEIGHT	..... 30 kg
DIMENSIONS	..... L : 1903 mm x H : 1052 mm x I : 647 mm
NORMS / CERTIFICATIONS	..... NF EN 15194 (01/2009) + A1 (01/2012) et NF EN ISO 4210-2 (04/2018)

ENERGY AND POWER

TECHNOLOGY	..... PEM Fuel cell 480W
ENERGY	..... Hydrogen (H ₂) purity 99.95% min
MAXIMUM FUEL LOAD	..... 67 g
H ₂ STORAGE PRESSURE	..... 300 bar
GAS CONNECTOR TYPE	..... Quick coupling 300 bar
POWER SWITCH	..... ON/OFF backlit press switch button
START UP TEMPERATURE RANGE	..... - 10°C □ + 45°C
OPERATING TEMPERATURE RANGE	..... - 10°C □ + 60°C

USABILITY

USER INTERFACE	..... Digital display
FRAME	..... M Size, adjustable seatpost from 1.60m to 1.90m
ASSISTANCE	..... Up to 25 km/h
ASSISTANCE PATTERN	..... Proportional to pedaling effort; torque sensor
DISPLAY(2.2 ")	..... • Bike speed • Distance travelled (partial / total) • Fuel gauge
RANGE	..... • Supercapacitors state of charge
GEARBOX	..... Between 74 and 93 miles (120 and 150 km) according to the use
BRAKES	..... 5-speed integrated gearbox
LIGHTING	..... Hydraulic disc brakes
WHEELS & TIRES	..... Automatic power on, front and rear led lighting
ACCESSORIES	..... 27.5 " X 2 " with reinforcement
SADDLE	..... Mudguard, luggage rack, integrated lock, central stand Confort