

Hydrogen-powered electric assist bicycle

HEB26 SPORT

Electricity generated from hydrogen provides assistance

Let's drive toward a hydrogen society

※Photo shows prototype

ABILITYunique ECOA Concept

Easy and Convenience Achieve Concept

Making hydrogen easier and more convenient—

A concept for bringing energy closer to everyday life

Atmospheric pressure hydrogen cartridges:

Hydrogen used at hydrogen stations and similar facilities is high-pressure hydrogen (1MPa or higher), making it classified as a hazardous material under the High Pressure Gas Safety Act.

In contrast, atmospheric pressure hydrogen (less than 1MPa) is not a hazardous material, so no special qualifications are required! Anyone can handle atmospheric pressure hydrogen cartridges anytime, anywhere, just like dry cell batteries.

ABILITY's hydrogen-powered electric assist bicycle achieves both compactness and design through a miniaturized fuel cell system and standard-pressure hydrogen cartridges.



Standard Pressure Hydrogen Cartridge (S Size)

*Photo shows prototype



Mass-production spec Shared type prototype bicycle



Selling Price: ¥700,000 (excluding tax)

※Eligible for subsidies from the Ministry of the Environment

ABILITY



※Photo shows prototype

HEB26Sport (Prototype)

-Main Specifications-

Dimensions: 1830mm × 630mm × 1050mm

Wheels: 26 inches

Braking System: Front and rear disc brakes

Vehicle Weight: 25kg (including hydrogen cartridge)

Motor: 250W

Fuel Cell: 300W

Range: Approx. 50km (Assist distance)

Mode: Assist ON/OFF



Standard Pressure Hydrogen Cartridge (S Size)

*Photo shows prototype

-Standard Pressure Hydrogen Cartridge (S Size) Specifications-

Dimensions: Φ60mm × L240mm

Weight: 2kg

Body Material: Aluminum

Filling Material: Hydrogen Storage Alloy

Hydrogen Capacity: 20g

Internal Pressure: Less than 1MPa

Filling Cycles: >2000 times



-Options-

●Mobile Service App "GOGO! Share"

Simply scan with the app's camera and select your desired rental time to rent an electric mobility device. Enjoy commuting to work or school, sightseeing tours, or quick trips around town.



ABILITY Inc.

[Location]

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