

HG-RE300

Go further with electricity
made from hydrogen

Enhanced range in a compact body

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.

This system is

"Electric Vehicle Drive Battery"

"Fuel Cell System"

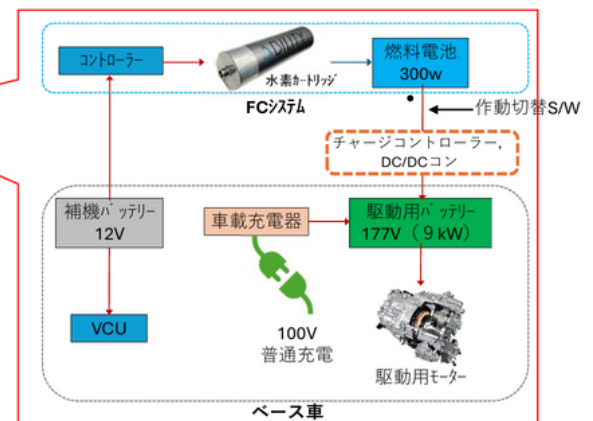
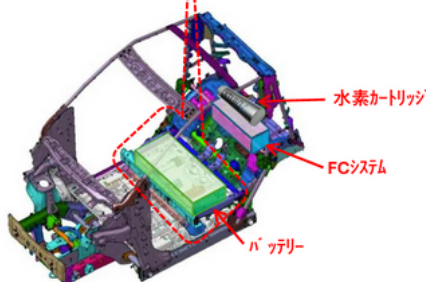
a hybrid.

Simply installing the FC system extends the driving range, easily converting existing electric vehicles into range-extended EVs. Installing one cartridge (L size) extends the range by approximately 15 km. (For the Toyota C+Pod)



Standard Pressure Hydrogen Cartridge (Large Size)

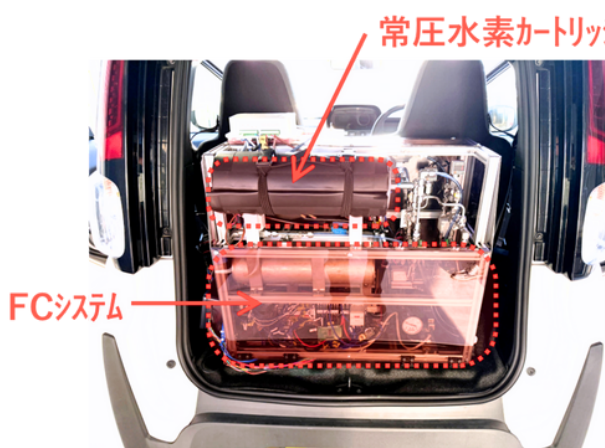
*Photo shows prototype



Selling Price ¥3,500,000
(excluding tax)

※Eligible for subsidies from the Ministry of the Environment

※Base vehicle price is not included.



HG-RE300

-Main Specifications-

Dimensions: 625mm × 290mm × 515mm

Weight: 6.7kg (excluding hydrogen cartridge)

Fuel Cell: Maximum 1000W

Rated Current: 28A

Rated Voltage: 36V

Range: +Approx. 15km per cartridge ※1

Ambient Temperature: -5°C to 40°C

※1 When installed in the TOYOTA C+pod



Standard Pressure Hydrogen Cartridge
(Large Size)

*Photo shows prototype

-Standard Pressure Hydrogen Cartridge (Large Size) Specifications-

Dimensions: Φ89mm × L450mm

Weight: 9kg

Body Material: Aluminum

Filling Material: Hydrogen Storage Alloy

Hydrogen Capacity: 90g

Internal Pressure: Less than 1MPa

Filling Cycles: >2000 times

ABILITY Inc.

[Location]

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