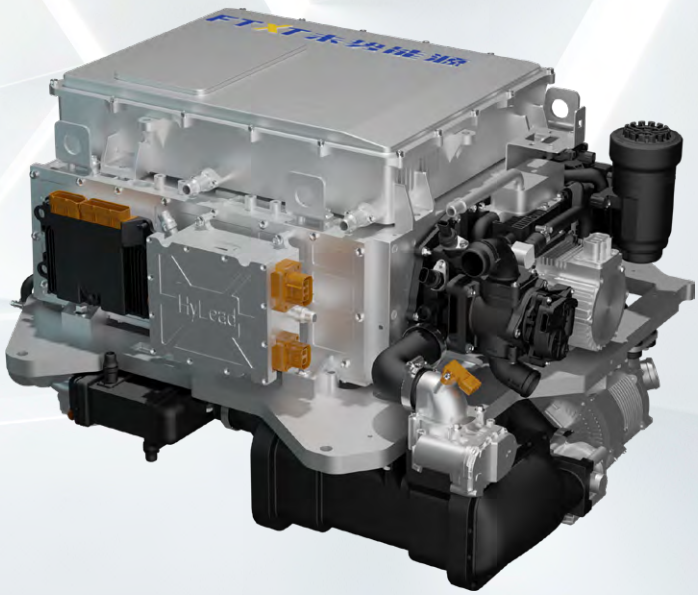
GWM HYDROGEN

FTXT

100 kW Passenger vehicle hydrogen fuel cell engine



System net output power 100kW
Maximum loading speed 60kW/s
Highest system efficiency 61%
The output voltage 400V~830V
Cold start temperature -30°C
Mass specific power density 560W/kg
System service life 5000h
Maximum response speed 60kW/s
Volume specific power 700W/L
Range of working temperature -30° C~45°C

PRODUCT PRESENTATION

It adopts the integrated design with innovative technology, combing with ultra-high system power density, ultra-long service life, which can effectively meet the high and low temperature requirements of all operating conditions.

TECHNICAL HIGHLIGHTS

- High efficiency-Improve the efficiency of system components, decrease the operating conditions of the stack, and effectively improve the operating efficiency of the fuel cell system.
- High durability-System components have a longer life, such as humidifiers, air compressors, etc. At the same time, a system control software more suitable for fuel cell applications has been developed to ensure the life of stacks.
- High integration-Simplify system design, adopt new integration concept, and integrate multiple advanced control technologies.
- Low cost-Build cost engineering and evaluate technology in multiple dimensions such as system design, integration, material selection, and processing technology to achieve cost reduction.
- Low noise-It is reflected in the NVH performance of air compressors, water pumps, hydrogen circulation pumps, and noise reduction of intake and exhaust to meet customers' requirements for comfort.

Application scenario of 100 kW passenger vehicle hydrogen fuel cell engine

This product is mainly used in the field of hydrogen fuel passenger cars, but also can be extended to other fields.




Breaking Frontiers in Technology, Fueling Tomorrow with Hydrogen

FTXT Energy Technology Co.，Ltd.

12-B, NO.6755 Jiasong North Road, Jiading District, Shanghai,China
NO.2299 Chaoyang South Street,Lianchi District,Baoding, Hebei,China
0312-2196535
https://en.ftxt-e.com