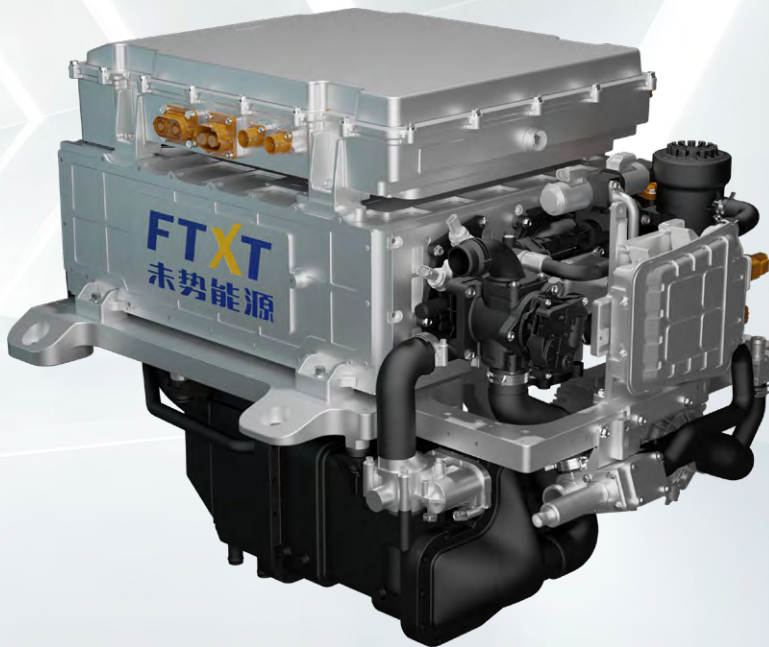


110 kW Commercial Vehicle Hydrogen Fuel Cell Engine



System net output power
110kW

Stack power density
3.73kW/L

Maximum system efficiency
58.8%

Output voltage
450V~750V

Cold start temperature
-30°C

Mass specific power density
608.68W/kg

System lifetime
10000h

Protection level
IP67

Peak system power
111kW

Operating temperature range
-30°C ~45°C

PRODUCT PRESENTATION

It has realized the engineering of vehicle specifications, and has the performance advantages of highly integrated design, high power, low hydrogen consumption, strong reliability, long lifetime and high altitude adaptability.

TECHNICAL HIGHLIGHTS

- High efficiency-The system adopts centrifugal two-stage high efficiency air compressor and anode zero parasitic power consumption hydrogen cycle device.
- High durability-System components have a longer lifetime, especially humidifier, air compressor, etc. At the same time, the system control software has been developed to ensure the lifetime of the system, which is more suitable for fuel cell applications.
- High integration-Simplify system design, adopt new integration concept.

Application scenario of 110 kW commercial vehicle hydrogen fuel cell engine

The application of this product has covered hydrogen fuel cell vehicle models such as heavy truck, dump truck, mixer truck, and has made great progress in the fields of ships, rail transit and aircrafts.



Breaking Frontiers in Technology, Fueling Tomorrow with Hydrogen

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