

Fuel Cell Power Systems

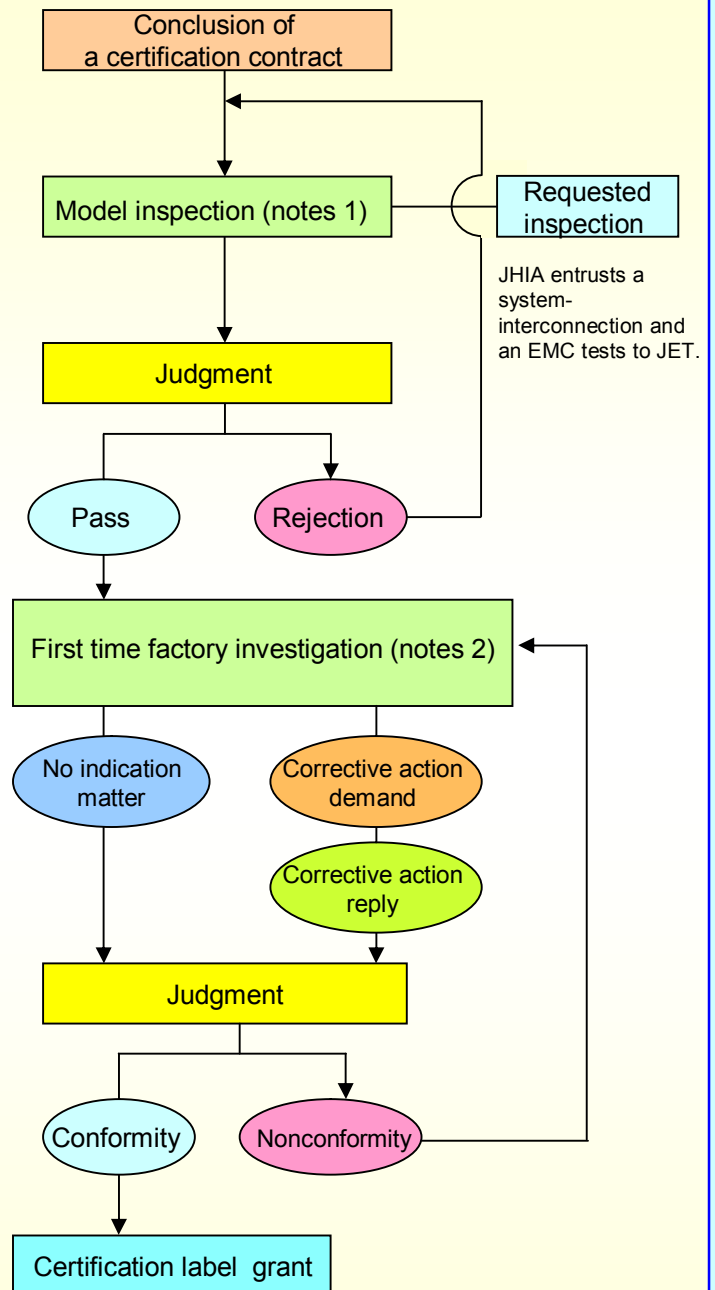
JHIA commenced certification of polymer electrolyte fuel cell power systems on September 10, 2005.

Feature of the certification enterprise of JHIA

- ① The inspection standards has the Japan industrial standards (JIS) draft and IEC standards draft.
- ② Factory investigation has adopted the European CENELEC system.
- ③ Use our knowledge and experiences about oil burning appliance technology which the past half century .

We sincerely believe that we can offer you the high quality tests and certification by these.

Flow to certification acquisition



Certification label (JHIA and JET commonness)



[JHIA] in a figure mean about certification body , and it mean [JET] when JET certificated. [2005/09] in a figure mean certification years.

Notes 1 :When the power source of warm water tank takes from the distribution board , and the voltage of auxiliary and sensor of warm water tank is less than DC30.

Notes 2 :When the power source of warm water tank takes from the Fuel Cell , and the voltage auxiliary and sensor of warm water tank is less than DC30.

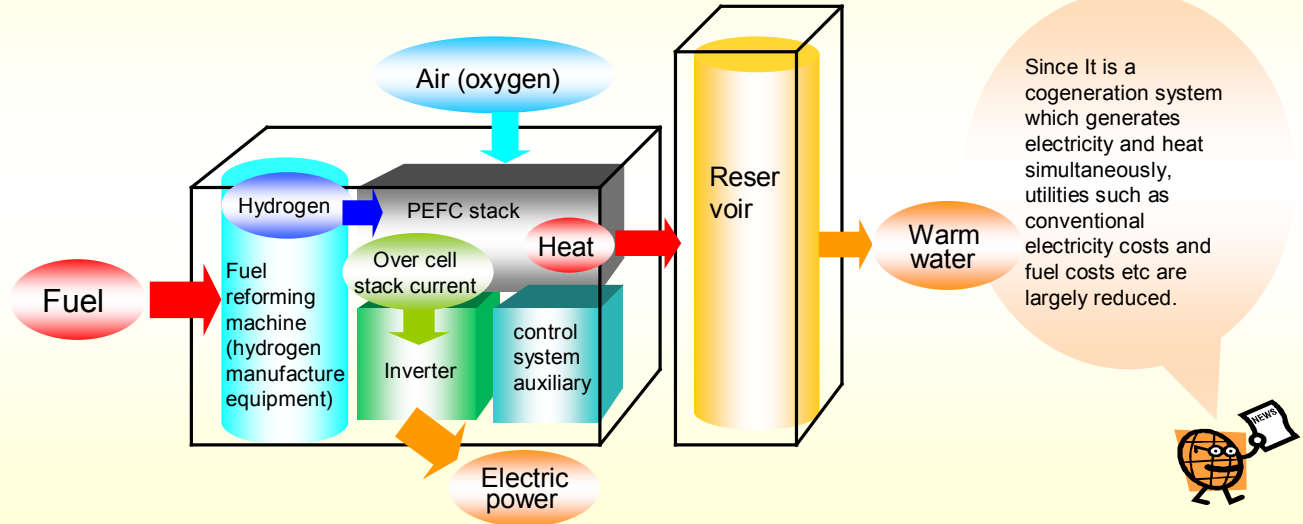
Notes 3 :When the power source of warm water tank takes from the distribution board , and the power source of auxiliary and sensor of warm water tank is less than DC30.

Notes 1 : We check whether the performance of a product is acceptable an inspection standard.

Notes 2 : We Investigate the quality management systems of factory and check the stability of quality and inspection system.

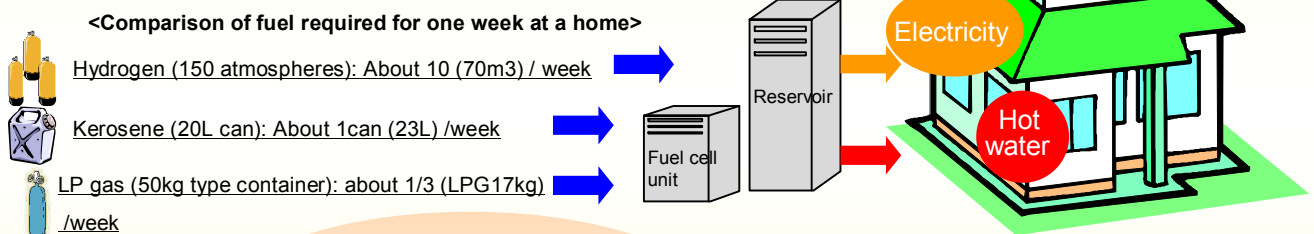
Structure of a Fuel Cell

It is a system which makes hydrogen from raw materials such as kerosene, with a "fuel reforming machine", and supplies electricity and heat.



Convenience

A fuel Cell supplies electricity and hot water to a home simultaneously. the generated electric power can use for lighting at a home, or the power source of home electronics, and hot water can use for cooking, hot-water supply, floor heating, etc.



Hydrogen in hydrocarbon such as kerosene can use with a fuel cell as energy. For this reason, oil system fuel is excellent as a source of hydrogen in the field of storage and transportation.

Trial-calculation conditions:
Consider power generation efficiency of a fuel cell is 35%, and operating hour is 7:00 to 24:00.