

Enquiries on H₂O Power Generation System

Please contact the following
for any question or enquiry.

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 the future of energy
Global Link®

Registered patent

H₂O Power Generation System is

The next generation power generation system that produces electric power from hydrogen and oxygen.

In electrolysis of water, electricity is passed through water to generate hydrogen and oxygen. However, in H₂O Power Generation, oxidation and reduction reactions to produce water from hydrogen and oxygen are performed separately in different devices. Energy is taken out in the form of electricity. Research and development works on this type of systems are in progress as an environment friendly way to generate electricity.

Zero emission

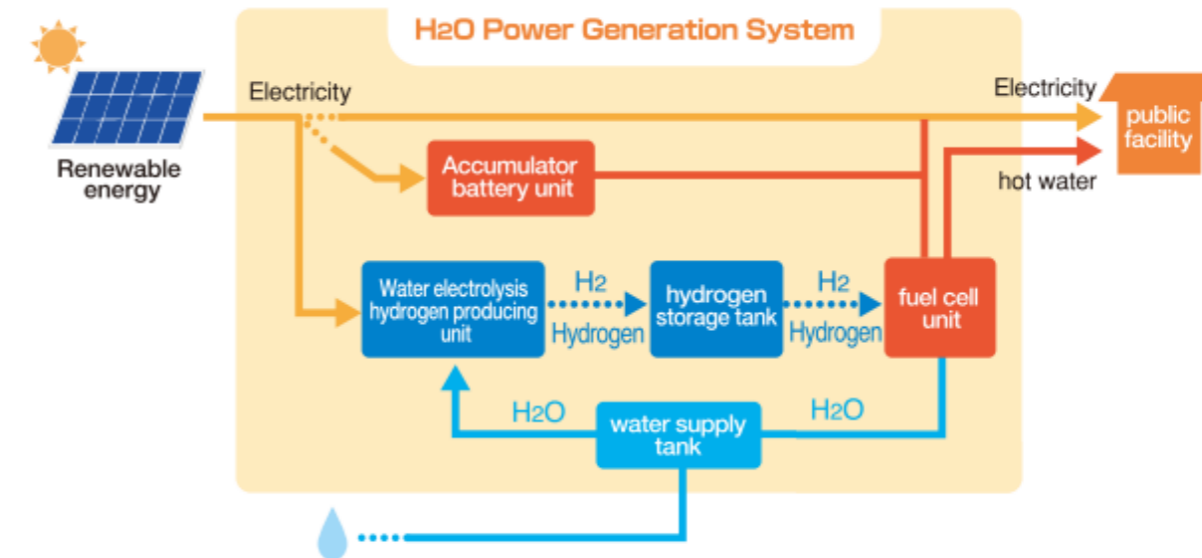
No greenhouse gas, such as CO₂, is produced in this process.

No commercial power required

The system is capable of fully autonomous operation. The system does not rely on commercial power supply.



Component outline of H₂O Power Generation System



The system consists of a solar power generation system, accumulator batteries, a hydrogen production system, a hydrogen storage tank and pure hydrogen fuel cells. This CO₂-free autonomous hydrogen energy supply system, "H₂O Power Generation System", uses renewable energy and hydrogen and it is self-sufficient in generating a stable supply of necessary electric power even in the event of infrastructure breakdown under occurrence of an earthquake or a fire without relying on system power supply.

Types of H₂O Power Generation System

5kw type

$(5\text{KW} \times 24\text{hours}) \times 365\text{days} = 43,800\text{KW}$
 $43,800\text{KW} \times \text{JPY}18^{**} = \text{JPY}788,400$ [excluding tax]

50kw type

$(50\text{KW} \times 24\text{hours}) \times 365\text{days} = 438,000\text{KW}$
 $438,000\text{KW} \times \text{JPY}18^{**} = \text{JPY}7,884,000$ [excluding tax]

100kw type

$(100\text{KW} \times 24\text{hours}) \times 365\text{days} = 876,000\text{KW}$
 $876,000\text{KW} \times \text{JPY}18^{**} = \text{JPY}15,768,000$ [excluding tax]

**JPY 18 applied in the above calculations is based on new power purchase price.