



Complimentary Power Generation System

Applicable to fire rescue site power supply, residential use, hospital use, power grid peak adjustment, data center equipment, industrial park, hotel use etc.

■ High Combustion Calorific Value

Hydrogen has the highest calorific value among all fossil fuels, chemical fuels and biofuels, except nuclear fuel

■ Good Performance

Fast ignition, a wide range of combustion when mixed with air, high ignition point and combustion speed

■ Low-carbon Cleaning

Hydrogen energy and fuel cell technology have incomparable advantages in emission. Combined with the "green" equipment of hydrogen source, "low carbon production and zero carbon use" can be realized, which is conducive to the deep decarbonization of terminal energy consumption.

■ Multiple Forms

Metal cyanide in gas, liquid or solid state can be adapted to different requirements of storage and transportation and various application environments

■ Less Wastage

Long-distance high-voltage power transmission can be canceled and replaced by long-distance pipeline hydrogen transport, which is relatively safer and reduces ineffective energy consumption

■ Convenient Transportation

Hydrogen can reduce the dead weight of fuel, increase the payload of vehicle, which can reduce the transportation cost, and the total social benefit is better than other energy sources in terms of the overall benefit

| Cogeneration System | | |
|------------------------------|------------------------------|------------------|
| Output Power | 50kW | |
| Output Voltage | 220VAC/380VAC 50Hz | |
| Hydrogen Storage Cylinder | | |
| Type | III | |
| Pressure | 35/50Mpa | |
| Quantity | 16 | |
| Capacity | 1000m ³ | |
| Fire Fighting System | | |
| Hydrogen Detection System | Hydrogen leakage alarm | |
| ESS | | |
| Max. Output Power | 5kW | 5kW |
| Power | 20kwh | 50kwh (5KW*10) |
| Power-on Time | 1-4h | 1-2h |
| Container System | | |
| Dimensions (L W H,mm) | 6058x2438x2591 | |
| Fuel Cell Power | 5kWx10 (Hydrogen External) | |
| Control System | Include | |
| Electrical Interface | Include | |
| Heat Recovery Pipe Interface | Include | |
| Hydrogenation Interface | Include | |

*Parameter: 50KW electric power, 36KW heat power

