

on site H2 Generator
 with methanol water

high purity hydrogen generator

methanol reformer



methanol reformer assembly



Product features

- Fast starting- 50 mins for cold start, less than 10 mins for temperature-holding start.
- High efficiency- 83 ~ 84%.
- Low cost of hydrogen producing- over 40 % saving compared with high pressured hydrogen.
- High purity- H2 > 99.999 %, CO < 1 ppm.
- Small volume- less than 2 m² is covered by the generator.
- Stability & durability- self-testing runs more than 19,200 hours and still in operation.
- Safety- Leakage test of the generator is 250 °C / 2.0 MPa, much higher than operating pressure(0.7 MPa). *Produce hydrogen on site at low pressure, no hydrogen storage is required.*
- Highly welcomed- sold in Taiwan, China and Japan.

Catalyst heating
no flame no pollution

Aluminum alloy reactor
*high heat conductivity
 homogeneous temperature*

Spec. (H2 purity > 99.999 %)

Item	Product No.	Rated output (NM ³ /hr)	Size (LWH, mm)	Weight (kg)
1	GH05 - 5N	5	900 * 650 * 1,300	450
2	GH10 - 5N	10	700 * 800 * 2,000	600
3	GH15 - 5N	15	800 * 1,200 * 2,100	800
4	GH20 - 5N	20	950 * 1,300 * 2,200	1,000
5	GH25 - 5N	25	1,200 * 1,200 * 2,200	1,200

Performances



hydrogen station
20 NM³/hr, 35 MPa
H₂ > 99.9999 %
CO < 1 ppm

stainless steel factory
50 NM³/hr
H₂ > 99.999 %
* For surface purification
of stainless steel.



20 kW CHP fuel cell system



5 kW PEM-CHP



H₂ generator with 20 kW FC as UPS for mobile station.



H₂ generator @20 NM³/hr with 20 kW FC to back up telecom facilities.