



Hydro-Gen 5kW Generator

Hydro-Gen 5kW Generator (HG005U) is a clean, low cost, alternative to diesel generators that are the dirtiest and most expensive way to produce electricity. Hydro-Gen uses oxy hydrogen as its fuel that is produced “on demand” from a mixture of 20% natural gas (or propane) with 80% water. Hydro-Gen is completely safe as it does not store hydrogen but only produces hydrogen as required to power the generator.

Using hydrogen reduces the wear and tear of the engine and reduces harmful emission and CO2 by over 90%.

Hydro-Gen is a low-cost alternative to Diesel and helps the environment. Call us Today!

- **Affordable:** Cost less \$0.06/ kWh to operate
- **Clean:** Fuel is 80% water and 20% Natural Gas
- **Near Zero Carbon Footprint:** Carbon Credits
- **Portable:** Installed and operating within a day
- **Power Density:** Same as Diesel Generators.
- **Distributed Power:** Supports Micro Grids.
- **Safe:** It does not store hydrogen.



Contact Information

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Hydro-Gen 5kW Generator

Technical Data	Unit	HG005U
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Key Performance Parameters

Output Power Nameplate	kW	5
Peak Output Power	kW	5.6
Continous Operating Duration	hours	16 (Note 1)
Fuel Type		80% H2O, 20% Gas
Gas Type		Natural / propane
Gas Usage	lb/kWh	0.033
Water Usage	L/kWh	0.00167

Note 1: options available for 24/7 operations

Electrical Performance Parameters

Output Voltage (US Standard)	VAC	110/220
Frequency (US Standard)	HZ	60
Phase	Phas	1
Output Connection	wire	3
Voltage Regulation		AVR
Frequency Variation	%	

Engine Performance

Starting	type	Electric
Bore Stroke	mm	88 x 72
Displacement	L	0.418
Compression Ratio	ratio	20:01
Rate Speed	rpm	3600

Environmental Data

Operating temperature Range	DegC	-20 to 60
Storage Temperature Range	DegC	-20 to 55
Maximum Operating Humidity Range	%RH	98
Maximin Storage Humidity Range	%RH	98
Ventilation	Yes/ No	Yes
Heating / Air-conditioning	Yes/ No	No

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Physical

Weight	lbs	172
Dimensions (LxWxH)	inch	30 x 22 x 30



Disclaimer: Disclaimer: All specifications are subject to change without notice. All operating parameters, including typical parameters must be validated for each customer application by the customer technical experts. Pictures are for illustration purposes only. The actual unit may differ.