



# Small Scale Electrolyzer

Our small scale electrolyzer Balance of Plant (BOP) system is ideally suited for research and development in electrolyzer technologies. It is designed to support photovoltaic off-grid hydrogen production, wind-based hydrogen generation, cogeneration systems, semiconductor processes, and multi-energy complementary micro-networks, among other industrial applications.

We offer both skid-mounted and cabinet-mounted configurations, tailored to meet customer preferences.



**Green Energy and Infrastructure Company Pvt. Ltd.**

Tarakeshwar Municipality, Ward No. 5, Goldhunga, Kathmandu, Nepal

contact: [contact@greeninfraenergy.com](mailto:contact@greeninfraenergy.com)

## Specifications:

<b>CAPACITY</b>	0.1 Nm <sup>3</sup> /hr	0.5 Nm <sup>3</sup> /hr	1 Nm <sup>3</sup> /hr	5 Nm <sup>3</sup> /hr
<b>H2 Nominal Flow (Nm<sup>3</sup>/h)</b>	0.1	0.5	1	5
<b>Dynamic Response (s)</b>	<10	<10	<10	<10
<b>Cold Start Time (min)</b>	<30	<30	<30	<30
<b>Flow Range (v/v)</b>	0-110%	0-110%	0-110%	0-110%
<b>Purity (v/v)*</b>	>99.999%	>99.999%	>99.999%	>99.999%
<b>Outlet Pressure (MPa)</b>	0.1-3.5 MPa	0.1-3.5 MPa	0.1-3.5 MPa	0.1-3.5 MPa
<b>Operating Temp. (°C)</b>	65±5°C	65±5°C	65±5°C	65±5°C
<b>Rated Current (A/DC)</b>	≤280	≤280	≤280	≤280
<b>DC Consumption (kWh/Nm<sup>3</sup>)</b>	4.4-5	4.4-5	4.4-5	4.4-5
<b>PowerSupply (V)</b>	220 50-60 Hz	220 50-60 Hz	220 50-60 Hz	220 50-60 Hz
<b>Main Power</b>	0.5 kW	2.5 kW	5 kW	25 kW

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