

Made in India.

POWERING A SUSTAINABLE ZERO-CARBON FUTURE **GREENZO**

Manufacturer of fully
indigenized **Alkaline Bipolar Electrolysers.**

MW-SCALE PROJECTS SUCCESSFULLY EXECUTED



Jindal Stainless
Limited (JSL)



Deendayal Port
Authority (DPA)



Engineers India
Limited (EIL)



Felix Industries
Limited



Oswal Energies
Limited

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CATALOGUE 2026



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ABOUT GREENZO

Greenzo Energy India Limited is a leading renewable energy company dedicated to advancing the green hydrogen and solar energy sectors. Established with a vision to accelerate the global shift toward clean and sustainable energy, Greenzo focuses on electrolyzer manufacturing, EPC solutions, and green hydrogen production projects. With a state-of-the-art manufacturing facility in GIDC Sanand-II, Gujarat (250 MW annual capacity), Greenzo designs and delivers cost-efficient, high-performance alkaline electrolyzers to power industries, mobility, and infrastructure toward net-zero goals. Backed by a strong team of engineers, technocrats, and researchers from IITs and NITs, Greenzo has successfully executed solar and hydrogen projects across India, Nepal, and Southeast Asia. The company's integrated approach—from design and feasibility to commissioning and O&M—positions it as a trusted partner in India's green energy transformation.

VISION

To be a global leader in green hydrogen and renewable energy, driving the transition to a clean, carbon-neutral future.

MISSION

To be a global leader in green hydrogen and renewable energy, driving the transition to a clean, carbon-neutral future.

PRODUCT PORTFOLIO

Greenzo Energy offers a complete range of advanced green hydrogen solutions, including high-efficiency alkaline electrolyzers (0.5–5 MW), hydrogen storage and compression systems, and scalable hydrogen-to-ammonia and methanol units. Our products are designed for reliability, safety, and cost-effective performance, supported by our strong expertise in solar EPC and hybrid renewable systems. With ISO-certified manufacturing and a highly experienced engineering team, Greenzo delivers clean-energy technologies that help industries transition toward a sustainable, zero-carbon future.



PRODUCT SPECIFICATION

Specifications	GEIL2.5	GEIL30	GEIL100	GEIL200	GEIL500	GEIL1000
H ₂ production	2.5 Nm ³ /h	30 Nm ³ /h	100 Nm ³ /h	200 Nm ³ /h	500 Nm ³ /h	1000 Nm ³ /h
O ₂ production	1.25 Nm ³ /h	15 Nm ³ /h	50 Nm ³ /h	100 Nm ³ /h	250 Nm ³ /h	500 Nm ³ /h
H ₂ purity before purification system	≥ 98.5%					
H ₂ purity after purification system	99.99 % - 99.9999 %					
O ₂ content in H ₂	< 2 ppm v					
H ₂ O content in H ₂	< 2 ppm v					
O ₂ purity before purification system	≥ 98. % ± 0.5%					
Dew Point	Upto -70 deg. C					
H ₂ delivery pressure	12 - 30 bar (g)					
DM Water Consumption	2.5 L/h	30 L/h	100 L/h	200 L/h	500 L/h	1000 L/h
Water conductivity required	< 0.5 μS/cm					
Operating temperature	85 ± 5 °C					
Power consumption at the stack (DC)	4.2 - 4.4 kWh/Nm ³					
Inputs connections	3 Phase 415 V ± 10 % 50 Hz					
Rated power	11 KW	150 kW	0.5 MW	1 MW	2.5 MW	5 MW
Turn down ratio	30 - 100 % of flow range					
Electrolyte	25 - 30 % KOH solution					
Stack degradation rate	< 1%/year					
Stack expected lifetime	≥ 10 years					
Stack optimal runtime	~ 12 years					

❖❖❖ **POWERING A GREENER
FUTURE WITH GREEN HYDROGEN**



❖❖❖ **ALKALINE ELECTROLYSER STACK**



❖❖❖ **PURIFICATION UNIT**

❖❖❖ **PRODUCT
PORTFOLIO**

Backed by ISO-certified manufacturing and a seasoned engineering team, Greenzo builds the clean-energy infrastructure industries need to move confidently toward a sustainable, zero-carbon future.

❖❖❖ At **Greenzo Energy India Limited**, we take pride in delivering indigenously developed, **world-class electrolyser solutions** that combine **innovation, reliability, and sustainability.**

❖❖❖ **SEPARATION UNIT**



❖❖❖ **OUR USP**

- Hydrogen Delivery at 30 Bar Pressure
- Low Power Consumption
- Long Stack Life
- Fully Repairable On-Site
- 95% Indigenous Materials, 100% Indian Technology
- Wide Operating Temperature Range
- Fast Delivery Timelines
- AI & SCADA Integrated

