INFINITY
BUILDING GREENER FUTURE

Are you looking for a cutting edge solution to meet your hydrogen production needs?

Look no further! Our alkaline electrolysers offer a superior technology with a range of benefits that make them the ideal choice for various applications.

Jakson Green INFINITY Products:
Standard Offer:

MODEL	INFI-100N	INFI-200N	INFI-300N	INFI-500N	INFI-1000N
H_2 Production/Hr-Nm^3	100	200	300	500	1000
O_2 Production / Hr-Nm^3	50	100	150	250	500
H_2 Pressure Bar (g)	16/28	16/28	16/28	16/28	16/28
O_2 Pressure Bar (g)	16/28	16/28	16/28	16/28	16/28
H_2 Purity Ex-Electrolyser % v/v	99.9				
O_2 Purity Ex-Electrolyser % v/v	98				
H_2 Purity Final % v/v	99.99 (standard) / 99.999 (on request)				
O_2 Content Final >	100 ppm				
Dew Point Final (ADP) >	60 (Standard) / 70 (on request)				
DC Power Consumption by Stack (kWh)	4.6/4.8	4.6/4.8	4.6/4.8	4.6/4.7	4.6/4.7
Stack Efficiency (Nm^3/ kWh) %	85	85	85	90	90
Turn Down %	60-100 (Standard) / 30-100 (on request)				
Run Hour	80000				
Ambient Temperature °C	10-50 (Standard) / Others on request				
Altitude: MSL (Mean Sea Level)	1000 (Standard) / Other on request				

Nm^3> 1ATM Pressure at 0°C Temp • 1 kg of Hydrogen> 11.126 Normal Meter-cube (Nm^3)
ADP: Atmospheric Dew Point • Lower Capacity on request • Custom built on request

100% Indigenous Manufacturing Capability

Alkaline Technology Upto 300 MW Manufacturing Capacity

State-of-the-art manufacturing facility in Greater Noida, U.P

Team with a cumulative experience of 75+ years

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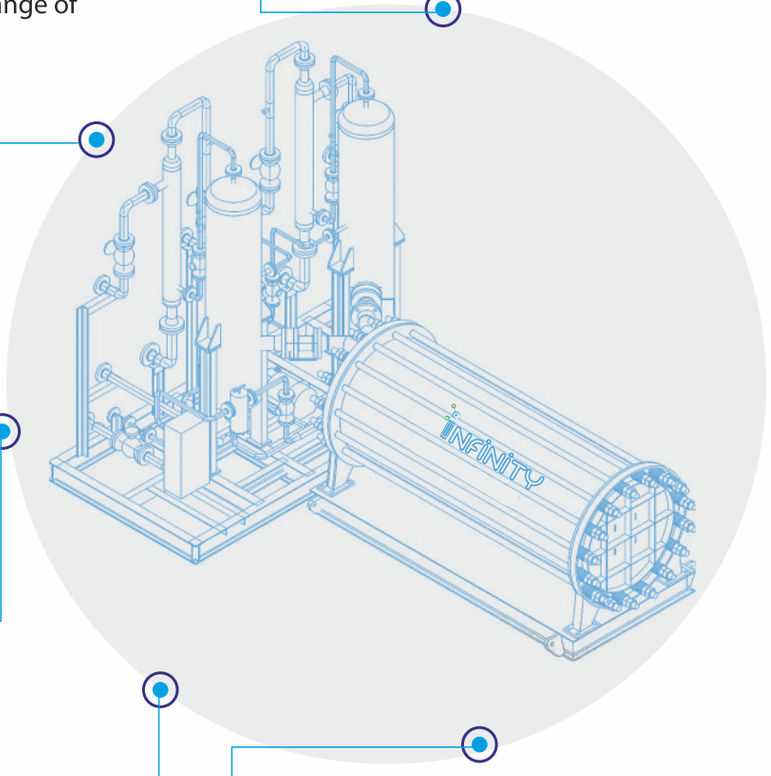
Key Highlights

Reliability and Durability:
Our electrolysers are engineered for longevity. With a robust design and the utilisation of stable alkaline electrolytes, such as potassium hydroxide (KOH), our systems boast a track record of over 10 years of reliable operation. Say goodbye to frequent maintenance and enjoy a durable solution that withstands a wide range of operating conditions.

Cost-Effectiveness:
Our alkaline electrolysers leverage nickel-based catalysts and abundant, low-cost materials, providing a significant cost advantage over proton exchange membrane (PEM) electrolysers. By using economical nickel catalysts and alkaline electrolytes, we ensure a cost-effective solution for your hydrogen production requirements.



Flexibility in Operation:
Our alkaline electrolysers provide unparalleled flexibility. They excel at operating efficiently across a broad range of current densities, allowing for seamless adaptation to fluctuating power demands. Whether you require high or low power outputs, our electrolysers deliver optimal performance, making them ideal for grid-scale energy storage and industrial hydrogen production.

Powerful and Scalable:
Embrace the potential of large-scale applications with our alkaline electrolysers. Our systems are built to deliver high-capacity hydrogen production, making them suitable for industrial sectors such as ammonia production, refineries, and steel manufacturing. Join the ranks of successful enterprises that rely on our cost-effective and scalable solution for their hydrogen needs.

Safety Assured:
With our alkaline electrolysers, safety is never compromised. The use of non-flammable and non-explosive alkaline electrolytes eliminates the risks associated with handling hydrogen and oxygen gases. Rest easy knowing that our electrolyser systems are designed for long-term safe operation.

Contact us today to learn how our reliable, efficient, and cost-effective solution can revolutionize your operations and drive sustainable success.

www.jakson-green.com | Jginfinity@jakson.com