



| GREEN ENERGY LEADING COMPANY |



# WaterLyzer

Water Electrolysis Green Hydrogen Production System



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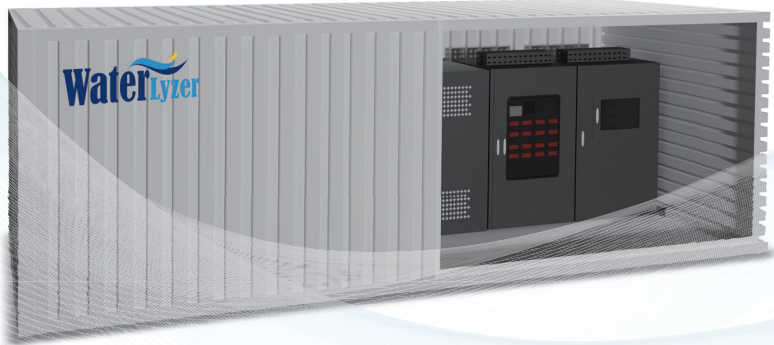
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( Specification )



- Realization of the clean energy era through WaterLyzer
- High-efficiency and high purity green hydrogen production system based on alkaline electrolysis.
- Long-term storage and safe supply of hydrogen energy through large-capacity power generation and system safety devices
- Customization system that reflects customer needs



Electric Power  
1 MW



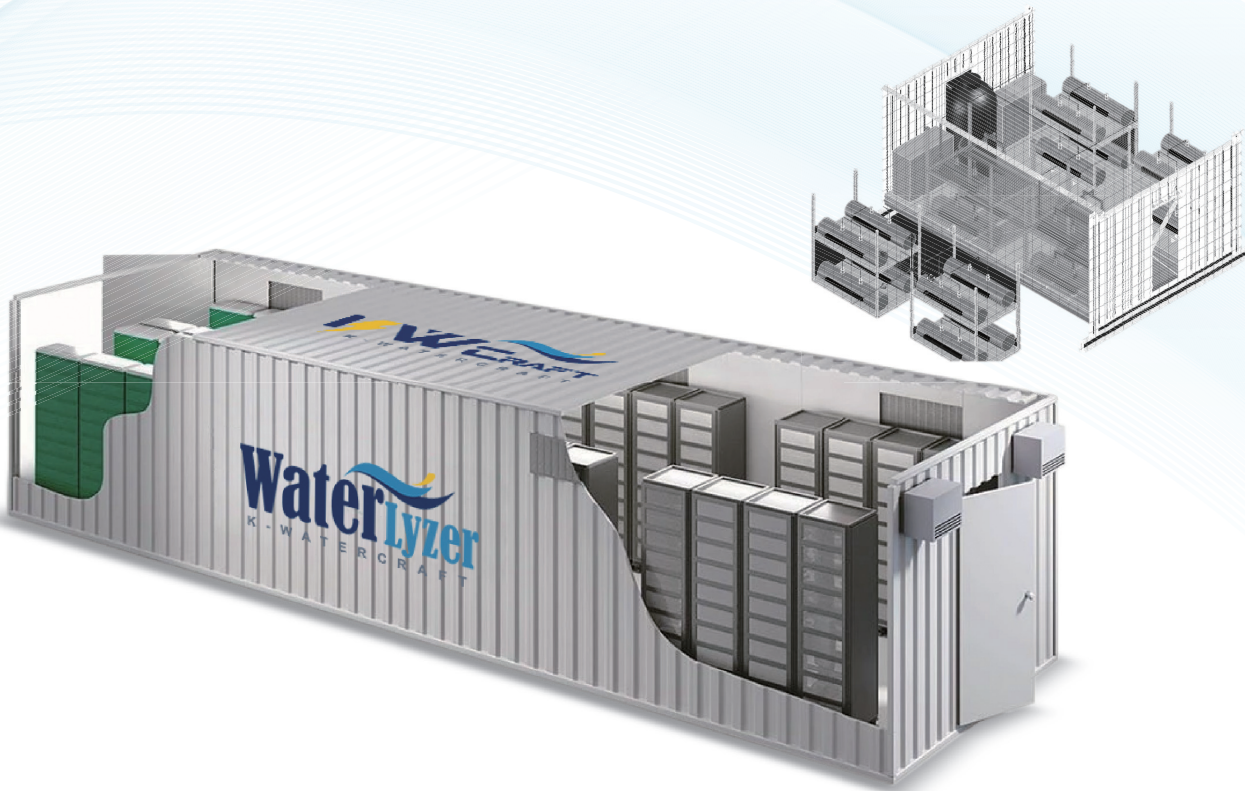
H<sub>2</sub> Production  
Max. 611 kgH<sub>2</sub>/day



Energy Consumption  
47.6 kWh/kgH<sub>2</sub>

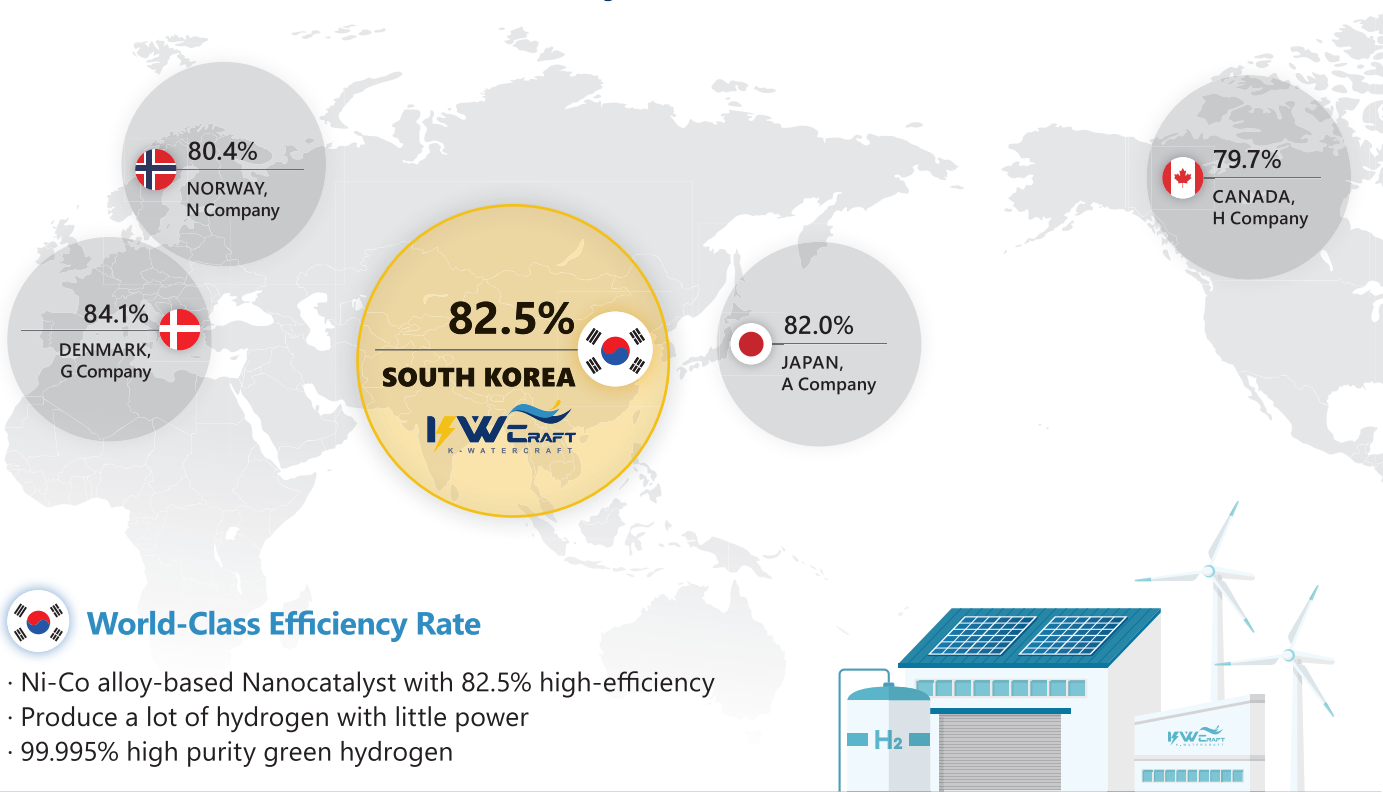


CO<sub>2</sub> Reduction  
3,650 TonCO<sub>2</sub>/yr



\* Optional

( Key Features )



Production rate	Max. 611 kgH <sub>2</sub> /day
Hydrogen output purity (with dryer)	99.995%
Output pressure	Up to 35 barg
Nominal power consumption per kg of H <sub>2</sub> produced	47.6 kWh/kgH <sub>2</sub>
Operative power consumption	1,000 kW
Power supply	380 VAC three-phase, 60Hz
Water consumption	255 L/h
Water input pressure range	0.5 - 4 barg
Ambient operative temperature range	5 °C to 45 °C
Ambient operative humidity range	Up to 95% Rh, non-condensing
IP rating	IP 65
System life	20 years
Dimensions	2 x 40 ft container
Weight	Approximately 45 t
Control and monitoring	Modbus TCP over Ethernet, EMS via TCP over 2.4GHz Wi-Fi or Ethernet*
Conformity	CE(2014/35/EU), CE(2014/30/EU), ISO22734, KC(KGS/AH271/2024) in progress