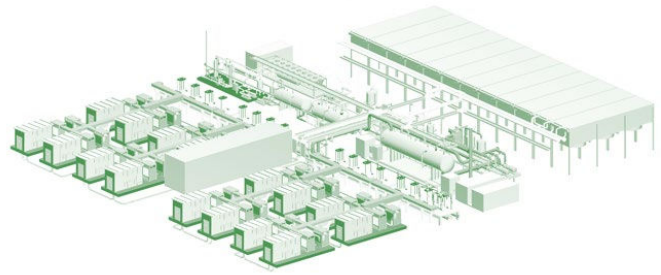


100MW Plant

Technical Specification Sheet



Performance

Hydrogen Output Flow At peak, beginning of life	1,900 kg/hr
Hydrogen Output Pressure	32 barg
Hydrogen Purity	> 99.9% Primary impurity is water vapor
Plant Efficiency Beginning of life at 20°C and 1 atm, inclusive of balance of plant losses	45.2-54.3 kWh/kg Measured at AC power into 100MW Plant transformers
Standby Recovery Time From standby mode to hydrogen production	< 2 minutes
Operational Ramp Rate	1% per second

Product Inputs and Parameters

Medium Voltage	34.5 kV AC, 3-phase 60 Hz
Power	106 MVA
Water Consumption For entire plant, drying cooling used	13 L/kg H ₂ (25 m ³ /hr at peak)
Ambient Temperature Range ^[1]	-20°C to 50°C
Plant Area ^[2]	<6000 m ² (<1.5 acres)

North America

ISO 22734:2019, NFPA2, NFPA70, CGA G5.5, UL 60079 series, ASME BPVC

Buyer is responsible for providing the inputs for operation

1 Plant capacity derates linearly above 40°C

2 Maximum, inclusive of setback and maintenance allocations

Specifications are subject to change.

Get in touch

Contact us at sales@eh2.com for more information