

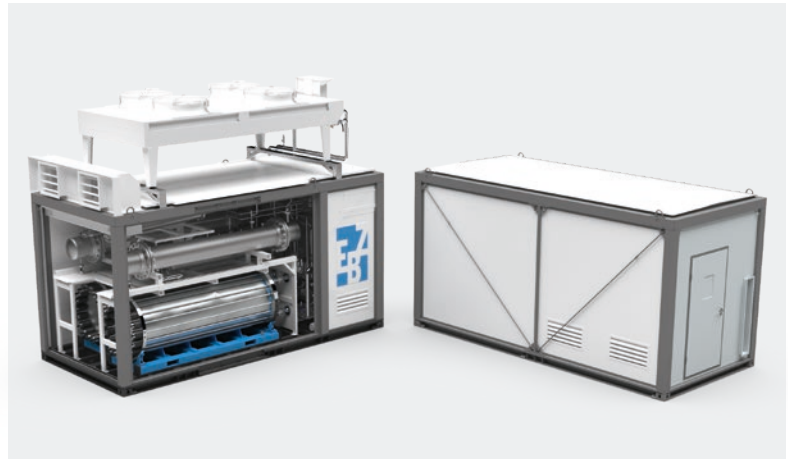


ELECTROLYZER SYSTEM

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1 MW

Our pressurized alkaline electrolyzer systems are designed as containerized solutions. The standard 1 MW system is delivered in two 20-foot containers or one 40-foot container. For higher capacities, multiple 1 MW units can be combined.



HYDROGEN PRODUCTION	
PRODUCTION RATE	<ul style="list-style-type: none"> • 200 Nm³/h • 4800 Nm³/d • 18 kg/h • 432 kg/d
HYDROGEN PRESSURE	<ul style="list-style-type: none"> • 30 bar (g)
HYDROGEN PURITY	<ul style="list-style-type: none"> • ≥ 99.8%
OPERATING RANGE	<ul style="list-style-type: none"> • 10 - 100%

ELECTRICAL EFFICIENCY ON STACK LEVEL	
SPECIFIC POWER CONSUMPTION AT 100% CAPACITY*	<ul style="list-style-type: none"> • ~4.5 kWh/Nm³ • ~50 kWh/kg

*Begin of life

INSTALLATION DETAILS	
INSTALLATION SITE	<ul style="list-style-type: none"> • Outdoors • Containerized solution
CONTAINER FOOTPRINT	<ul style="list-style-type: none"> • 15 m² (electrolysis container) • 15 m² (electrical system container)
TOTAL FOOTPRINT INCL. SERVICE AREA	<ul style="list-style-type: none"> • ~100 m²
REQUIRED CONTAINER FOUNDATION	<ul style="list-style-type: none"> • Strip foundations
AMBIENT TEMPERATURE RANGE	<ul style="list-style-type: none"> • -20 to +40 °C
ELECTRICAL INTERFACE	<ul style="list-style-type: none"> • Low-voltage substation, 400 or 690 V (as per agreement)
INSTALLED ELECTRICAL POWER (INCL. BOP)	<ul style="list-style-type: none"> • 1200 kVA
TAP WATER REQUIREMENT	<ul style="list-style-type: none"> • 350 l/h
ELECTROLYTE	<ul style="list-style-type: none"> • KOH (not consumed during operation)

