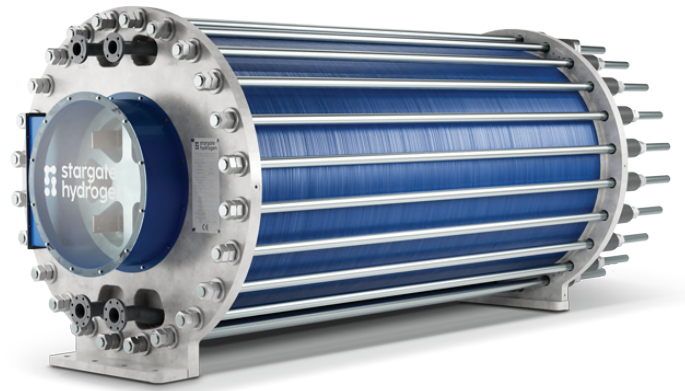


starbase

S E R I E S

5 MW Next Generation alkaline electrolyser stacks.
 Pressurised alkaline stacks for system integrators.



Technical Specifications

Hydrogen hourly production rate [Nm ³ /h]	1000
Hydrogen daily production rate [kg/h]	90
Hydrogen pressure [barg]	16
Hydrogen purity [%] *	>98%
Oxygen purity [%] *	>98%
Stack consumption [kWh/Nm ³]	4.3
Stack consumption [kWh/kg]	49
Stack operating temperature [°C]	70-90
Stack nominal rated current [A]	10400
Nominal Rated Voltage [V]	420
Stack rated nominal power - [kW] BOL	4400
Stack operating range [%] **	20% to 110%
Stack foot print with transport skid [m2]	17
Stack dry weight [t]	36
Gabarite Dimensions with Skids [L x W x H mm]	7000 x 2438 x 2650
Lifetime [Years]	10
Water consumption [L/h]	900
Cell voltage monitoring	Yes
In-build leak detection	Yes
On-site stack maintenance	Yes

* Crossover purity (wet) at stack outlet given that all operational conditions for the stack are maintained within their respective limits. The final dry hydrogen purity depends on the separation and purification systems which are part of the optional Balance of Plant (not included).

** The system and the stack can operate at 110% for sustained time if needed.