

stellar

SERIES

Next Generation alkaline electrolyser stacks.

Pressurised alkaline stacks for system integrators.



Performance guarantee



Integration support



Fast delivery



Up to 100 Nm³/h



High Efficiency

Technical specifications

Hydrogen hourly production rate [Nm ³ /h]	100
Hydrogen daily production rate [kg/day]	215
Hydrogen pressure [barg]	32
Hydrogen purity [%] **	>98%
Oxygen purity [%] **	>98%
Stack Consumption [kWh/Nm ³]	4.59
Stack Consumption [kWh/kg]	51.07
Stack Operating temperature [°C]	80-90
Stack rated voltage - BOL [V]	227
Stack rated voltage - EOL [V]	264
Stack rated current [A]	2027
Stack minimum current [A]*	1150
Stack rated power - BOL [kW]	460
Stack rated power - EOL [kW]	535
Stack minimum operating point [%]*	55%
Stack efficiency (HHV) [%]	77.2%
Stack efficiency (LHV) [%]	65.2%

* Lower minimum load point on request.

** 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 Balance of Plant (not included).



Valukoja 8/2, 11415 Tallinn Estonia
info@stargatehydrogen.com
stargatehydrogen.com

stargate
hydrogen