



システムインテグレーター向け 次世代アルカリ水電解スタック

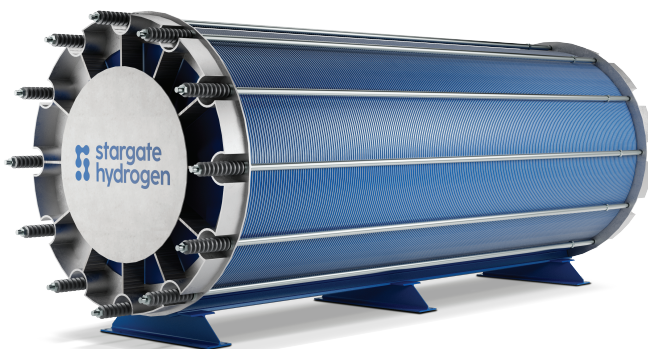
stellar EDGE



出力:0.5 MW

- 水素生産量:最大 100 Nm³/h
- 運転圧力:33 bar
- 特許出願中の設計
- 消費電力:4.59 kWh/Nm³

starbase SERIES



出力:5 MW

- 水素生産量:最大 1000 Nm³/h
- 運転圧力:16 bar
- オプション:BoS(バランス・オブ・スタック)
- 消費電力:4.3 kWh/Nm³

製品の主な特長・メリット



欧州製



100 Nm³/h
超の生産能力



高効率



性能保証



短納期



加圧水素出力



省スペース設計



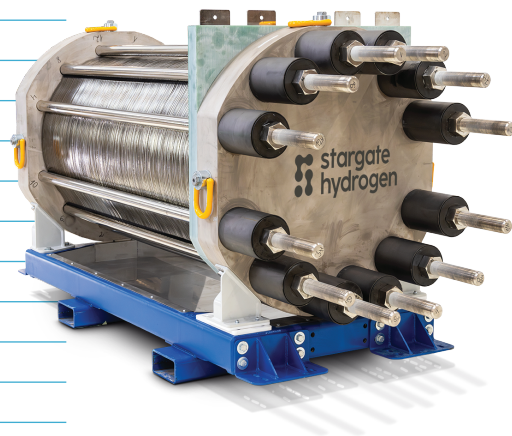
省スペース / 設計

技術諸元

0.5 MW Stack - Stellar EDGE

Hydrogen hourly production rate [Nm ³ /h]	100
Hydrogen daily production rate [kg/day]	215
Hydrogen pressure [barg]	33
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 [%] *	40%
Stack efficiency (HHV) [%]	77.2%
Stack efficiency (LHV) [%]	65.2%

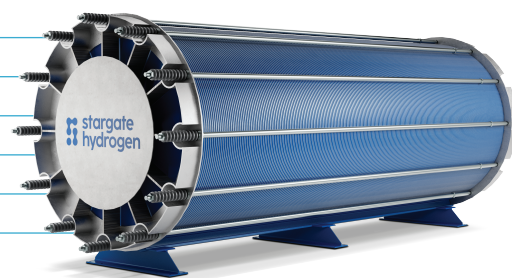
stellar
EDGE



5 MW Stack - Starbase SERIES

Hydrogen hourly production rate [Nm ³ /h]	1000
Hydrogen daily production rate [kg/day]	1968
Hydrogen pressure [barg]	16
Hydrogen purity [%] *	>98%
Oxygen purity [%] *	>98%
Stack Consumption [kWh/Nm ³]	4.3
Stack Consumption [kWh/kg]	49.02
Stack Operating temperature [°C]	80-90
Stack nominal rated current [A]	10200
Stack rated nominal power - [kW]	5000
Stack minimum operating point [%] ***	20% to 110%

starbase
SERIES



* 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).

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

