

stellar

S E R I E S

Next Generation alkaline electrolyser stacks.

Pressurised alkaline stacks for system integrators.



Customizeable configurations



Performance guarantee



Full Integration support

Technical specifications

Product	Max Efficiency	Balanced	High Power
Hydrogen hourly production rate [Nm ³ /h]	100	100	100
Hydrogen daily production rate [kg/day]	215	215	215
Hydrogen pressure [barg]	32	32	32
Hydrogen purity [%]	>98%	>98%	>98%
Oxygen purity [%]	>98%	>98%	>98%
Stack Consumption [kWh/Nm ³]	4.59	4.74	4.84
Stack Consumption [kWh/kg]	51.07	52.74	53.85
Stack Operating temperature [°C]	80-90	80-90	80-90
Stack rated voltage - BOL [V]	227	189	160
Stack rated voltage - EOL [V]	264	213.4	178.2
Stack rated current [A]	2027	2507	3022
Stack minimum current [A]*	1150	1150	1150
Stack rated power - BOL [kW]	460	474	484
Stack rated power - EOL [kW]	535	535	539
Stack minimum operating point [%]*	55%	45%	38%
Stack efficiency (HHV) [%]	77.2%	74.7%	73.2%
Stack efficiency (LHV) [%]	65.2%	63.1%	61.8%

* Lower minimum load point on request.

