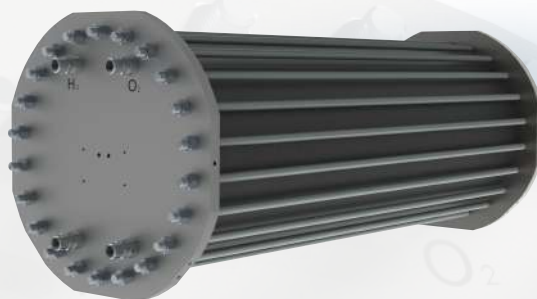


Next Generation alkaline electrolyser stacks

- **Wide range of performance** – 2 different stack options for the best product-market fit
- **Pressurised flexible operation** – designed for dynamic renewable energy operation
- **Robust** – 10-year product warranty



Technical specifications

Product	Max Efficiency	Balanced
Hydrogen hourly production rate [Nm ³ /h]	100	100
Hydrogen daily production rate [kg/day]	215	215
Hydrogen pressure [barg]	32	32
Hydrogen purity [%]	>98%	>98%
Oxygen purity [%]	>98%	>98%
Stack Consumption [kWh/Nm ³]	4.48	4.93
Stack Consumption [kWh/kg]	49.8	54.9
Stack Operating temperature [degC]	80-90	80-90
Stack rated voltage - BOL [V]	253	216
Stack rated voltage - EOL [V]	301	233
Stack rated current [A]	1800	2250
Stack minimum current [A]	900	900
Stack rated power - BOL [kW]	455	486
Stack rated power - EOL [kW]	542	524
Stack minimum operating point [%]	50%	40%
Stack efficiency (HHV) [%]	79%	71%
Stack efficiency (LHV) [%]	66%	60%
Stack electrode material	Ni-based	Ni-based
Stack degradation [%/year]	1%	1%
Input water conductivity [microS/cm]	0.5	0.5
Stack required volume [dia x length [mm]]	1000 x 3000	1000 x 2400

