

# Hybrion PEM Electrolysis Stack

## PERFORMANCE

|                                |  |
|--------------------------------|--|
| Rated Power                    | 1250 kW  |
| Hydrogen Production Rate       | Max. 255 Nm <sup>3</sup> /h   22.9 kg/h                  |
| Operation Range                | 20 – 100%  |
| Oxygen Production Rate         | 128 Nm <sup>3</sup> /h   183 kg/h <sup>1</sup>           |
| H <sub>2</sub> Output Pressure | Max. 34 barg   |
| O <sub>2</sub> Output Pressure | Max. 3 barg  |
| Rated Voltage                  | 310 VDC  |
| Rated Current                  | Min. 810 A   max. 4050 A                                 |
| Efficiency                     | 4.7 kWh/Nm <sup>3</sup> H <sub>2</sub> @BOL <sup>1</sup> |
| Design Lifetime                | 10 years   |

## OPERATION CONDITIONS

|                             |   |
|-----------------------------|---|
| Water Flow                  | Min. 50 m <sup>3</sup> /h<br>Max. 104 m <sup>3</sup> /h |
| Operating Temperature Range | 20 – 70°C   |

## PHYSICAL ATTRIBUTES

|             |                      |
|-------------|----------------------|
| Dimensions  | 855 x 1000 x 1542 mm |
| Net. Weight | 2749 kg              |

## CERTIFICATIONS

CE, ASME/NRTL, ISO22734, ISO9001



<sup>1</sup> At maximum rated current.  
All technical specifications given are development objectives as of July 2025 and refer to the beginning of life.