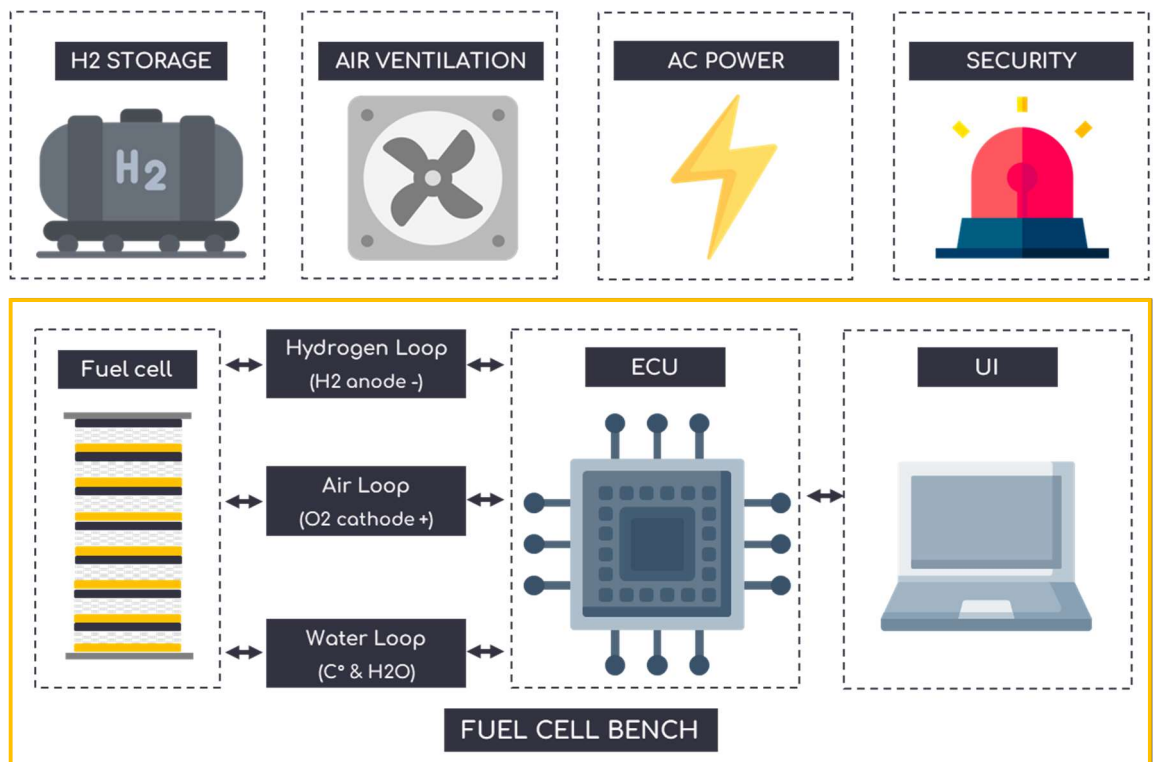




PEM FUEL CELL

Educational Bench Test Stations SHA-6

- Proprietary Lynx control software for control and monitoring
- Automatic and semi-automatic modes
- Multiple PEMFC technologies operable (direct water injection, open cathode, liquid cooled)
- Resistive or regenerative loads
- High level safety features
- CE certificate of conformity
- General contracting for bench integration (storage, ventilation, ...)





Specifications

| | | |
|------------------------|--------------------|---------------------------|
| PEMFC POWER RANGE | 1 – 6 kW | |
| PEMFC VOLTAGE | 0 – 80 V | |
| PEMFC CURRENT | 0 – 340 A | |
| ANODE FLOW RANGE | 0 – 100 sLPM | |
| ANODE PRESSURE RANGE | 1.2 – 2.2 bar abs. | |
| CATHODE FLOW RANGE | 0 – 470 sLPM | |
| CATHODE PRESSURE RANGE | 1.2 – 2.2 bar abs. | |
| CATHODE HUMIDITY | Humidifer-by-pass | |
| HUMIDIFIER | 52% at 400 sLPM | Water transfer efficiency |
| PEMFC COOLING LIQUID | 60 – 85 °C | DI Water |
| ANODE PURGE | 1000 – 6000 A.s | Pulsated dead end |



Our proprietary **Lynx** control software coupled to our proprietary **Electronic Control Unit** allow our customers, through our user-friendly interface, to operate the bench. **Lynx** allows to implement complex sequences (polarisation curve, dynamic set point, etc). Particular user modifications can be asked.



Our support go beyond technical point of view, we deliver also PEMFC tutorials for engineering schools and universities (with corrections), adapted for all levels (year one students to master's degree and specialized masters)



3D Model



© Hydroxide Technologies, Laissaud, France. All specifications and illustrations contained in this brochure are based on the latest product information available at the time of printing. Hydroxide reserves the right to make changes at any time without notice in materials, equipment, specifications and models. Printed in France.

355 route de Pré-Viboud
Valgelon-La-Rochette 73110 France
contact@hydroxide.fr

