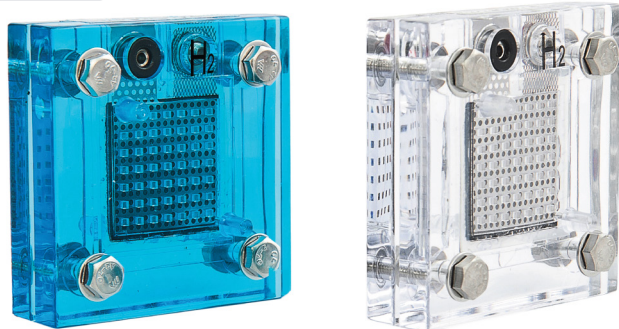


FCSU-023




## Product Description

The Reversible PEM Fuel Cell combines the functions of an electrolyzer and a fuel cell into ONE device. When applying an electrical current the device acts as an electrolyzer that produces hydrogen and oxygen from de-ionized water. When applying a load, the device behaves as a fuel cell and generates electricity from hydrogen.

## Features

- ✓ High performance reversible PEM fuel cell
- ✓ Electrolyzer mode converts water into hydrogen and oxygen
- ✓ Fuel Cell mode produces electricity using hydrogen and oxygen
- ✓ Fully compatible with the Horizon education range
- ✓ Available in blue and transparent colours

## Content

- ✓ Set of 5 PEM Reversible Fuel Cells
- ✓ Tubing
- ✓ Pins
- ✓ Banana cables / connecting leads
- ✓ Syringe
- ✓ User Manual : 

## Specifications

|                     |                                 |                 |
|---------------------|---------------------------------|-----------------|
|                     | <b>Dimensions</b>               | 54x54x17 mm     |
|                     | <b>Total weight:</b>            | 67.7 g          |
|                     | <b>Input Voltage</b>            | 1.8 V ~ 3V (DC) |
|                     | <b>Input Current</b>            | 0.7A            |
|                     | <b>Hydrogen production rate</b> | 7 ml/min        |
| <b>Electrolyzer</b> | <b>Oxygen production rate</b>   | 3.5 ml/min      |
|                     | <b>Output Voltage</b>           | 0.6V (DC)       |
|                     | <b>Output Current</b>           | 360 mA          |
|                     | <b>Power:</b>                   | 210 mW          |
|                     |                                 |                 |

## Packing Information

|  |              |
|--|--------------|
| <b>Case Pack Quantity</b>                      | 1            |
| 1 unit=( set of 5):                            |              |
| <b>Master Pack Quantity (units):</b>           | 24           |
| <b>Packaging Type:</b>                         | cardboard    |
| <b>20' Container (units):</b>                  | 6550         |
| <b>40' Container (units):</b>                  | 13355        |
| <b>Unit Box Length (cm/in):</b>                | 21.2 / 8.35  |
| <b>Unit Box Width (cm/in):</b>                 | 15 / 5.91    |
| <b>Unit Box Height (cm/in):</b>                | 9.7 / 3.82   |
| <b>Unit Volume (Litres/Cubic Meters):</b>      | 3.1 / 0.003  |
| <b>Unit Box Weight (kg/lbs):</b>               | 0.58 / 1.28  |
| <b>Case Pack Length (cm/in):</b>               | 63 / 24.80   |
| <b>Case Pack Width (cm/in):</b>                | 44 / 17.32   |
| <b>Case Pack Height (cm/in):</b>               | 35 / 13.78   |
| <b>Case Pack Volume (Litres/Cubic Meters):</b> | 97.0 / 0.097 |
| <b>Case Pack Weight (kg/lbs):</b>              | 14.1 / 31.09 |

\*The cartons' size may vary between ±1-2 cm.



## Logistics Information

|                         |                        |
|-------------------------|------------------------|
| <b>Item UPC-Code:</b>   | N/A                    |
| <b>Item HS-Code:</b>    | -                      |
| <b>Manufactured in:</b> | Shanghai, China        |
| <b>Local Warehouse</b>  | Prague, Czech Republic |
| <b>FOB Harbor:</b>      | Los Angeles, USA       |
| <b>First Ship Date:</b> | available now          |
| <b>Minimum Order:</b>   | 24                     |

\*All the information in this datasheet is subject to change without notice. In case of doubt please contact the Horizon sales team.