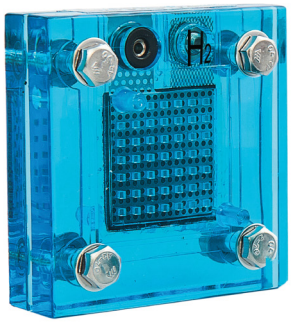
PEM Reversible Fuel Cells

Horizon Fuel Cell Technologies

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

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

Packing Information

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

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



Logistics Information

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

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