

## FCJJ-44

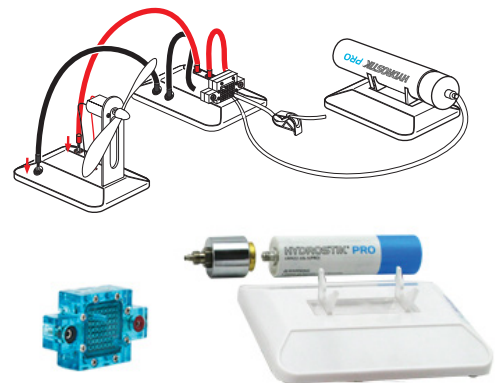


## Product Description

Explore the future of energy storage with Horizon's micro fuel cell kit. Power a mini turbine by converting solid state hydrogen in the HYDROSTIK PRO metal hydride cartridge into electrical energy via a Horizon PEM fuel cell. Kids can see the effect as the hydride slowly cools and releases hydrogen into the fuel cell. The process is a model for all micro fuel cell systems—a working example of solid hydrogen storage that can lead to many interesting and creative application ideas.

## Features

- ✓ Up to 30 hours of runtime on one full cartridge
- ✓ Features reversible metal hydride cartridge—discover solid hydrogen storage!
- ✓ Develop your own micro-fuel cell applications
- ✓ Easy to integrate and use
- ✓ Compatible with other Horizon science kits



## Add-on

Create your own hydrogen powered devices that can be completely self-sufficient, with the optional addition of the HYDROFILL PRO hydrogen station.



### H<sub>2</sub> REFUELING STATION



FCH-020

## Language Pack

- ✓ Assembly Guide:
- ✓ Technical Support Guide:



## Kit Content

- ✓ Micro-fuel cell
- ✓ HYDROSTIK PRO (hydrogen storage)
- ✓ Pressure regulator
- ✓ Fan module
- ✓ Fan blade
- ✓ HYDROSTIK PRO base
- ✓ Micro-fuel cell base
- ✓ Wires
- ✓ Fan blade adapter
- ✓ HYDROSTIK PRO support
- ✓ Clamp
- ✓ Silicon tubes

## Certification

ROHS, EN71:PART1;PART2;PART3, EN62115, PHTH-EU, ASTM F963, CPSIA-LEAD, CPSIA-LEAD, CPSIA-PHTHALATES, REACH, EMC, CA.

## Packing Information

<b>Case Pack Quantity</b> (units):	1
<b>Master Pack Quantity</b> (units):	24
<b>Packaging Type:</b>	cardboard
<b>20' Container</b> (units):	6550
<b>40' Container</b> (units):	13360
<b>Unit Box Length</b> (cm/in):	21 / 8.3
<b>Unit Box Width</b> (cm/in):	15 / 5.9
<b>Unit Box Height</b> (cm/in):	10 / 3.9
<b>Unit Volume</b> (Litres/Cubic Meters):	3.2 / 0.003
<b>Unit Box Weight</b> (kg/lbs):	0.49 / 1.1
<b>Case Pack Length</b> (cm/in):	63 / 24.8
<b>Case Pack Width</b> (cm/in):	45 / 17.5
<b>Case Pack Height</b> (cm/in):	35 / 13.8
<b>Case Pack Volume</b> Litres/Cubic Meters):	99.2 / 0.099
<b>Case Pack Weight</b> (kg/lbs):	13 / 28.66

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

## Logistics Information

<b>Item UPC-Code:</b>	6942503405255
<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>	12