

**NEEDS ANALYSIS** 

&

**DESIGN** 

**DEVELOPMENT** 

Reformer Design,

• Fueling Design,

Fuel Storage and

Delivery Systems, Heating System

• Fuel Cell Systems, • Engines Systems,

• Monitoring Design, Operation and

Maintenance Planning.

Safety System

Design,

Design,

# **HYDROGEN COOKING STOVES & OVENS**











#### ONE OF THE MOST POPULAR PRODUCTS **SOLD & DISTRUBUTED GLOBALY**

#### On Demand HYDROGEN COOKING STOVE

For many people, their FIRST Hydrogen (H2) appliance is a stove! Many people get these inexpensive Burners to familiarize themselves with Hydrogen Gas. Great for boiling water and cooking meals AND **HEATING YOUR HOME!** 

YES! Heating your home! Remember burning Hydrogen Gas does NOT produce carbon monoxide fumes, only Water vapor is produced keeping your home warm and moist in the cold winter months.





- ✓ Stanley A Meyer Voltrolysis Built in
- ✓ Lith-Phos Battery Built in
- ✓ Solar Charged or Main Power

WEBLINK FOR ORDERS BELOW

**2020 & BEYOND** 

**DESIGNED FOR** 



ISO9001-2015 GJB9001B-2009 (MIL)

**Secure Supplies** Product/s Meet Customers Demands.

Authorized Representative





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- Reformer Design,
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- Operation and Maintenance Planning.

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#### **HYDROGEN COOKING STOVE**



Secure Supplies are in the first stages of distribution of Our Hydrogen Cooking Stoves & Ovens, We have Stove top units, Burners for conversions and tips for oven conversions etc. So Orders placed have a Minimum Qty of x12pcs each. We can supply by container with approx order volume of x1000pcs per 20fcl shipping container.

Finally get ride of those high winter fuel bills, and humidifiers. 100% efficient heating is here now in the Hydrogen Age!



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## **HYDROGEN COOKING STOVES & OVENS**











#### **HYDROGEN PORTABLE GAS ON DEMAND KITS**

Secure Supplies has Fuel on-Demand Kits that are Powered by Solar / Battery bank to make your Green 99.9999% Pure Hydrogen Gas to replace LPG, etc.

#### Various Hydrogen *gas on-demand* kits available



#### ✓ Wifi Enabled PWM Controller & Mobile App

✓ Cooking GAS Cell

Comprising of:

**GAS PRODUCTION KIT** 

WEBLINK FOR TECHNICAL **SPECS & ORDERS BELOW** 

#### THE CELL 12VOLT VERSION • Fuel Cell Systems,

#### Design, • Monitoring Design, Operation and

• Engines Systems, Safety System

Maintenance Planning.

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#### **GAS PRODUCTION KIT** Comprising of:

- ✓ Wifi Enabled PWM Controller & Mobile App
- ✓ Cooking GAS Cell

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#### **HYDROGEN PORTABLE GAS ON DEMAND KITS**

#### **BIG PUPPA**

#### SOLAR + USB BATTERY + CHARGE CONTROLLER KIT

This Portable Unit gets Charged by our Natural Sunlight or from Mains Power. The Kit will connect to Your GAS Maker & Hydrogen Stove.



#### **BIG PUPP KIT** Comprising of:

- ✓ Solar Panel
- ✓ Charge Controller
- ✓ Lithium Battery
- ✓ Inverter
- ✓ USB Port for Device Powering like LED Lights, Phones Battery Banks

WEBLINK FOR TECHNICAL **SPECS & ORDERS BELOW** 



#### Panels available in the following:

- 4 cell configuration for Smaller Loads, App a 120W / hr Battery.
- 8 cell configuration for Larger Loads, App a 240W / hr Battery.





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#### **HYDROGEN PORTABLE GAS ON DEMAND KITS**

#### LITTLE MUMMA

#### SOLAR + USB BATTERY + CHARGE CONTROLLER KIT

This Portable Unit gets Charged by our Natural Sunlight or from Mains Power. The Kit will connect to Your GAS Maker & Hydrogen Stove.



#### LITTLE MUMMA KIT Comprising of:

- ✓ Solar Panel
- ✓ Charge Controller
- ✓ Lithium Battery
- ✓ Inverter
- ✓ USB Port for Device Powering like LED Lights, Phones Battery Banks
- √ 2 x LED Lights

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#### **HYDROGEN ONSITE GAS ON DEMAND**

#### **HOSPITALITY INDUSTRIAL GAS EQUIPMENT**

**STOVE - OVEN** 



#### NEEDS ANALYSIS & DESIGN DEVELOPMENT

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## **HYDROGEN GAS ON DEMAND APPLIANCES**

#### **HOSPITALITY INDUSTRIAL GAS EQUIPMENT**

#### **PIZZA / CONFECTIONARY OVEN**



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#### **HYDROGEN GAS ON DEMAND APPLIANCES**

#### **INDUSTRIAL SERVICES GAS EQUIPMENT**

## **DRYERS** -TEXTILES, BEDDING, CLOTHING, ETC.

Textile & Clothing Factory / Hotel / Resort / Hospital, etc.



Finally get ride of those high Industrial Dryer Electric & Gas bills. 100% efficient heating is here now in the Hydrogen Age!



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## **CATALYTIC HYDROGEN COMBUSTION** NO OPEN FLAME

### **NEW MODEL 2020**

## **Ultra-low NOx Emissions from Catalytic Hydrogen Combustion**



Complete Hydrogen Stove Setup "gas under glass", H2 flow 6.6 NI/min, Air flow 33.5 NI/min, SiC burner temperature 922°C.



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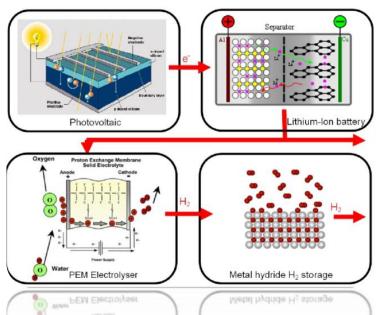




## **CATALYTIC HYDROGEN COMBUSTION** Nº OPEN FLAME

#### **NEW MODEL 2020**

## **Ultra-low NOx Emissions from Catalytic Hydrogen Combustion**



SELF Energy Cycle: Solar Radiation is converted to Electrical Energy and Stored in Batteries, Surplus Energy is used to Produce Hydrogen, Stored in Metal Hydrides.



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