



Beijing World E To Technology Co., Ltd



# Hydrogen powered UAV

## Global leading provider



## Hydrogen powered UAV

At present, the layout of the complete product series from small multi-rotor to large-load UAV, from rotor to vertical take-off and landing fixed wing has been completed in the field of hydrogen UAV.

Hydrogen-powered UAV have the characteristics of long endurance, large load, wide application fields, and adaptability to different climates and complex environments. At present, it has been widely used in photovoltaic/curtain wall cleaning, logistics and transportation, fire rescue, forestry security and power inspection and other fields.



**Business partner**

# Hydrogen powered UAV system



## Long endurance

3 hours up



## Lightweight

Weight loss of 60%



## Supplement quickly

Battery replacement within 1 min



## Low temperature resistance

Normal operation at  $-40^{\circ}\text{C}$



## Super stable

Stable operation for over 6000 hours



3 kW hydrogen powered battery

1.5 L carbon fiber wrapped bottle

**3000W**  
power rating

**2400g**  
The weight of hydrogen fuel cells

**17.5X9.6X25.5cm**  
Dimensions of cell

**45.5V**  
output voltage

**66A**  
output current

**$-40^{\circ}\text{C}$**   
Minimum starting temperature

**99%**  
Utilization rate of hydrogen gas

**86%**  
Material utilization rate

**55%**  
Efficiency of power generation system

**1200W/kg**  
Specific power

**5s/10s**



### Application:



survey and draw



Forestry firefighting

**3h**

Very long endurance

**-40°C**

low-temperature environment

**10 kg**

Customizable load capacity

**15 km**

Image transmission distance



Wind power generation inspection



Sea patrol



### Application:



Curtain wall cleaning



Photovoltaic cleaning

**3h**

Very long endurance

**-40°C**

low-temperature environment

**30 kg**

Customizable load capacity

**15 km**

Image transmission distance



Material distribution



Emergency rescue

## Application:



Curtain wall cleaning



Photovoltaic cleaning

**3h**

Very long endurance

**-40°C**

low-temperature environment

**60 kg**

Customizable load capacity

**15 km**

Image transmission distance



Material distribution



Emergency rescue

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**The load capacity can be customized to 100-200 kg**

# Function modules that can be mounted



PTZ camera



Imaging pod



laser radar



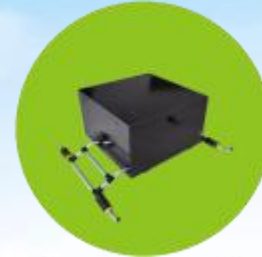
Fire extinguishing device



cleaning device



Throwing device



lifting device

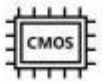


## Brief introduction

In order to cooperate with various application fields of UAV such as inspection, logistics and transportation, emergency rescue, fire fighting and so on, XHEH has developed various practical mounting equipment, and rich PZE control interface can be compatible with more third-party link products. It can also be customized according to the actual needs of customers, and can be properly adjusted to the special needs of mounted devices, providing users with an integrated, full-scenario solution.



7英寸  
高清高亮大屏显示



高通八核CPU  
4G运存64G储存



一机双控  
遥控接力



15KM 1080P  
双路全高清数字图传

## Handheld

All the new generation of industrial grade hand-held ground station with 7 inch HD bright large screen, can expand to 30 K m dual-channel full HD digital image transmission, 4G storage 64G storage top Android configuration, Can also buy a machine dual control, remote control relay and other features, rich interface and strong scalability can be widely used in drones, unmanned vehicles and ships and intelligent robots and other fields.

# THANKS

World-leading:

- Air cooled hydrogen fuel cell system provider
- Hydrogen powered UVA provider

