



Fuel Cell for drones

UAV fuel cells with proton exchange membrane technology (OCS64) in collaboration with HYCCO offer the ultimate drone experience.

Designed to enhance performance and reduce weight, they are ideal for high-performance power systems.

In partnership with



MADE IN FRANCE

OPTIONAL ACCESSORIES

- **HYDROGEN TANKS** - Pressurized tanks, metal hybride tanks...
- **RECHARGING KIT** for MH tanks
- **BALANCE OF PLANTS**
- **COMMAND CONTROL BOARD**
- **DC/DC CONVERTER** 0-60 or 60-120V

H2/AIR REACTANT GAZ

-10°C/+45°C OPERATING TEMPERATURE

Air Cooled FUEL CELL COOLING
(FAN INCLUDED)

Self Humidified HUMIDIFICATION

0.4-0.6 bar (g) H2 SUPPLY PRESSURE

Purity 99.95% H2



OCSUAV64-50



OCS64-50



OCS6450-UAV

Specifications

OCS fuel cells are designed for easy system integration. Based on an open-cathode PEM fuel cell architecture, the system offers good power densities, minimum balance-of-plant requirements and simplicity of operation.

The fuel cell controller is equipped with temperature sensor for thermal management. Optional Fans can be integrated to manage the air flow through the fuel cell.

UAV STACK

	OCSUAV64-50	OCS64-50	GAIN
BIPOLAR PLATES (KG)	0.8	2.6	-69%
NUMBER OF CELLS	50	50	
NOMINAL VOLTAGE (V)	30	30	
POWER (W)	960	960	
HEIGHT (MM)	180	245	-26%
LENGTH (MM)	203	203	
DEPTH (MM)	130	130	
WEIGHT (KG)	2.52	4.41	-42%
H2 CONSUMPTION (NOMINAL POWER)	12L/min	12L/min	

OCS packs includes

- Proton Exchange Membrane Fuel Cell (PEMFC)
- Integrated air blowing fans with casing (Optional)

Fuel cells performances

- Normal operating conditions: temperature 24°C - 60% air relative humidity, dry H2

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