



**IE-SOAR™**



**Powering the hydrogen future™ with our outstanding fuel cells and service.**

## **IE-SOAR 3kW Load Unit**

**IE-SOAR™ fuel cell modules directly replace your battery and unlock long endurance flight.**

The IE-SOAR 3kW Load Unit is a variable resistive direct-current (DC) electrical load unit and is designed to be used to recondition the IE-SOAR S800, S1.2 and S2.4 fuel cell systems.

Reconditioning of these fuel cell systems can recover stack performance that may degrade due to airborne contaminants, impure / contaminated hydrogen supply, prolonged periods of inactivity, or storage in very low humidity environments.

In order to recondition these products, they must deliver electrical power to a load. The load drawn must be variable to track the power delivery capability of the fuel cell system being reconditioned.

This load unit allows you to perform these reconditioning/maintenance tasks, and general diagnostics, without needing to fly a drone. This can be much more convenient. The unit is portable and extremely simple to use.

## Summary Product Information:

<b>Power Characteristics</b>	Maximum continuous power dissipation at 40°C ambient	3000W
	Peak power with 12S (50V) supply	3200W
	Peak power with 6S (25V) supply	850W
<b>Voltage Characteristics</b>	Input voltage (not to be exceeded)	18 to 52VDC
<b>Physical Characteristics</b>	Dimensions (Length x Width x Height)	490x250x255mm
	Total Mass	11kg
	Electrical Interface (Input Power Connector)	Amass XT-90
<b>Environmental Operating Conditions</b>	Operating temperature	-5°C to 40°C
	Storage temperature	-10°C to 70°C
	IP rating	IP20
<b>Safety Features</b>	63A MCB over-current protection	
	Over-temperature protection	

## Fuel cells vs. internal combustion engines

- Clean & zero-emission
- Near silent operation
- Reduced maintenance. No moving parts. No tuning.
- Vibration free for maximum stability

## Fuel cells vs. batteries

- Increased flight time
- Fast refueling
- Built in power system redundancy



**Get in touch today to find out how your applications can benefit from our zero-emission fuel cells**

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