



IE-SOAR™



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

IE-SOAR 800W

IE-SOAR™ fuel cell power modules directly replaces a battery and give much longer flight times.

- Enable previously impossible applications – your business is no longer constrained by flight time.
- Unlock BVLOS operations – BVLOS makes sense with the range provided by fuel cells.
- Increase operational efficiency – spend more time in the air and achieve more.

Technical benefits

- Designed for safety and reliability. Single point failure tolerant and built in power system redundancy.
- Ideal for VTOL and fixed wing applications.
- Direct battery replacement – 6S to 12S compatible. Automatically follows load demand just like a battery.
- 1000 hour commercial warranty.

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

Summary Product Information:

Maximum continuous power	800W	
Peak power (with hybrid battery)	Up to 2400W	
Output voltage (DCDC regulated)	Configurable between 24V and 48V	
Fuel Cell Power Module	Dimensions (Fuel cell)	210 x 105 x 105mm
	Dimensions (control box)	195 x 90 x 40mm
	Mass	1450g
Hydrogen regulator	Mass	315g
	Maximum regulator (cylinder) pressure	350 bar/5000 psi
	Output pressure	0.9 bar ± 0.1 / 13 psi ± 1.5 psi
	Maximum cylinder mass	10kg
Environmental operating conditions	Startup temperature	5°C to 40°C
	Operating temperature	-5°C to 40°C
	Maximum altitude	5000m
	Storage temperature	-10°C to 70°C
	System warranty	1000 hours



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

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