



# DuralitePower



## Data sheet

### DP-A-3000 Fuel cell module

- Long endurance power module
- Suitable for both fixed wing and multi-rotor drones
- Based on open cathode PEM fuel cell technology

The A-3000 fuel cell module has been designed to be the lightest long endurance power system for electric flight. The power-dense and convenient module contains all the required balance-of-plant for both fixed wing and multi-rotor drones.

The A-3000 has been demonstrated on a DJI S800 platform and can be viewed at <https://www.youtube.com/watch?v=sAU0wD-MURE>.

Please contact us at **[contact@duralitepower.com](mailto:contact@duralitepower.com)** for further information on availability and pricing.

#### Features:

- Fully contained, plug-and-play fuel cell module
- Up to 3x flight time compared to batteries
- Fast refueling
- Lightweight with small footprint
- Includes all necessary balance-of-plant required for system startup and operation
- Easily integrated and retrofitted into most industrial grade drones
- Zero harmful emissions
- Built-in redundancy
- Customizable endurance
- IP protected

## A-3000 Product Specifications

<b>Technology</b>	Polymer Electrolyte Membrane fuel cell system	
<b>Module specifications</b>	Maximum power <sup>1</sup>	3kW
	Maximum current <sup>1</sup>	120A
	Voltage output	Conforming to 6S LiPo battery
	Startup time	30s at room temperature
	Operating ambient temperature	10 to 35°C
	Electrical connection	XT-90
<b>Fuel supply</b>	Type	Compressed hydrogen at 350 bar
	Cylinder specifications <sup>2</sup>	Type IV conforming to EN12245
	Hydrogen purity	Pure hydrogen conforming to SAE J2719
<b>System features</b>	Automatic startup	
	Load following	
	Integrated fuel cell control and protection	
<b>Protection</b>	Over- and under- pressure	
	Over temperature	
	Over current	
	Under voltage	

## Sample configurations

<b>Platform</b>	DJI S800	Custom design
<b>Endurance</b>	1 hr	2 hr
<b>Payload</b>	Max. 1 kg	Max. 3 kg
<b>Flight range</b>	30 km	60 km

<sup>1</sup> At beginning of life conditions.

<sup>2</sup> Contact us for available cylinder sizes.

Specifications subject to change without notice.

## Potential applications

### Inspection

The A-3000 allows longer and more detailed inspections to be carried out using your drone. Say hello to increased productivity!



### Surveillance

The long endurance of the A-3000 power system increases the surveillance coverage of drones by up to 10 times.



### Videography

Stay in the air longer to capture those precious moments without missing a beat.



### Delivery

The lightweight A-3000 allows for higher payloads on your drone, allowing for long distance delivery of goods.



### Others

The customizable payload of drones allow them to be used for many other applications. Contact us to discuss your applications today!

