

STRALIS

2-6 SEAT

HIGH-TEMPERATURE FUEL CELL SYSTEM



120KW

160 HP

Maximum continuous power

1.7 KW/KG

1250 WH/KG

Specific power and energy

70 KG

154 LB

Total system weight

50%

@75 KW

Net efficiency at cruise



LOW
WEIGHT

Comparable to turbofan (incl. H₂)



LOW
MAINTENANCE

~60% cost savings vs turboprop



LOW
DRAG

25% airflow vs low temp PEM



ZERO
EMISSIONS

No Nitrogen or Sulphur oxides



Hydrogen-electric propulsion for cheaper, quieter, cleaner aircraft

STRALIS.AERO

STRALIS 2-6 SEAT

Our 2-6 seat hydrogen-electric use-case is based on iconic aircraft like the Beechcraft Bonanza A36. Designed to fly 500km, it is gaining traction with piston engine owners and developers of fixed wing electric and eVTOL.

The Stralis hydrogen-electric fuel cell system is designed for electric aircraft propulsion. Our high-temperature PEM technology simplifies the system, reducing both weight and drag. Stralis fuel cell systems intergrates with liquid hydrogen tanks and electric motors.



FUEL CELL

Power	240 kW	320 HP
System Weight	140 kg	308 lbs
Voltage	600-800 V	
Fuel Consumption	10 kg/hr	22 lbs/hr

MOTOR

Power	1 x 200 kW	
Motor Weight	18 kg	40 lbs
Voltage	800 V	
Efficiency	97%	

TANK

Full Weight	104 kg	114 lbs
LH2	26 kg	57 lbs
Flight Time	2 hrs	
Hold Time	6 hrs	

ENQUIRIES

Contact our team to discuss your fixed wing aircraft, VTOL, or helicopter requirements via sales@stralis.aero

