ELECTRIC PROPULSION SYSTEMS

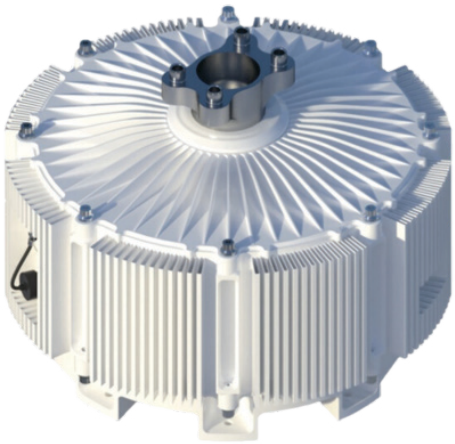
Moog provides full electric propulsion system designs from concept, through certification, to production for the next generation of electrical aircraft.

ELECTRIC ENGINES

Moog designs and manufactures custom electric propulsion units for eVTOLs and unmanned aerial vehicles. EPUs combine the motor and controller in a single housing.

We focus on providing producible and certifiable custom designs in expedited time frames.

Power	10 - 75 kW
Volts	270 - 1000 VDC
RPM	800 - 2500 RPM
Designed and Tested for:	DO-254, DO-160, DO-178



MOOG

ELECTRIC PROPULSION SYSTEMS

HIGH EFFICIENCY SYSTEMS

- Silicon Carbide electronics
- High efficiency stator stacks
- Optimized switching techniques
- Halbach Array

LOW WEIGHT SYSTEMS

- Market-leading high percentage fill factor
- Optimized material selection

STATE OF THE ART DESIGNS

- Fiber Optic Communications
- Sensorless Motor Control

WHY MOOG?

PROCEDURES & ENGINEERING TEAM

Established processes meeting EASA/FAA expctations

COMPANY HERITAGE

Our longevity in the market makes Moog a safe choice in a new market space.

PRODUCTION CAPABILITIES

Electric propulsion unit production facility under construction and ready for operation in 2025

TECHNICAL APPROACH

Moog chooses the best technology for the application and provides custom designs to optimize SWaP

SPEED & AGILITY

Existing nimble supply chain for key parts - rotor, stator, circuit boards, metal fabrication

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www.moog.com

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