

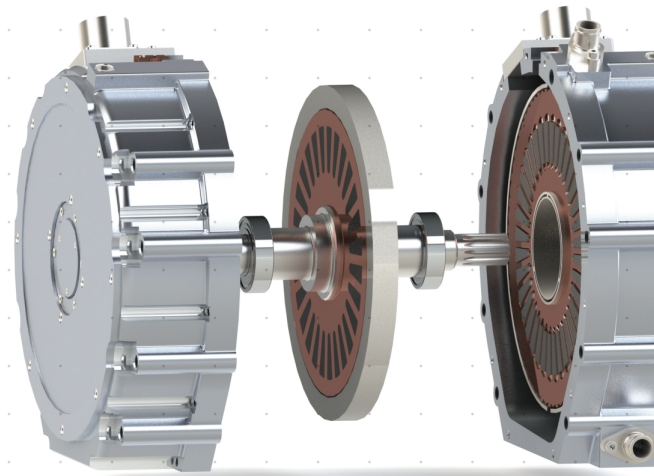


MAXXWELL

# Breakthrough Axial Flux Motor Eliminates Rare Earth Magnets

At MPP we have a passion for electrification and reducing our environmental impact. One of the ways we are driving change in reducing carbon emissions is through our exclusive partnership with Maxxwell Motors.

These unique Axial Flux motors provide a strong value proposition as they eliminate the need for rare earth magnetic materials while also reducing the overall motor size and weight. These cost-efficient motors produce exceptional continuous torque at lower RPMs compared to traditional motors. An established and robust supply chain enables your project to jump start production and reduce your time to market.



## Benefits of SMC Axial Flux Motors

- Maxxwell Motor concepts are scalable from 5 kW to 2 MW.
- Advanced engineering supporting motor design to production implementation
- No rare earth materials
- Exceptional continuous torque at 8,000-14,000 RPMs
- Established assembly or component supply chain
- Compact design reduces weight therefore cost

## APPLICATIONS

### Transportation:

traction motor, auxiliary motors

### E-Axle:

EV autos, trucks, delivery vehicles

### Auxillary Motors:

cooling fans, pump motors, power generation





# MAXXWELL

## Less Weight. Less Mass. More Performance.

### MPP and Maxxwell - Axial Flux Induction Motors

- Reduce waste and environmental impact
- Scale to fit a broad range of industry needs
- Meet the demands of an electrified future

### 230 KW Motor

Model	AFIM-300-LC-230-AL
Outer Diameter	300 mm
Continuous Torque	275 Nm
Speed Range	0 – 14,000 RPM
Rated Power	230 kW
Weight	26 kg
Cooling	Liquid Cooling
Voltage	800 VDC

#### Traction Application:

- Transportation
- eAxle sub-assembly
- Aerospace
- Marine

