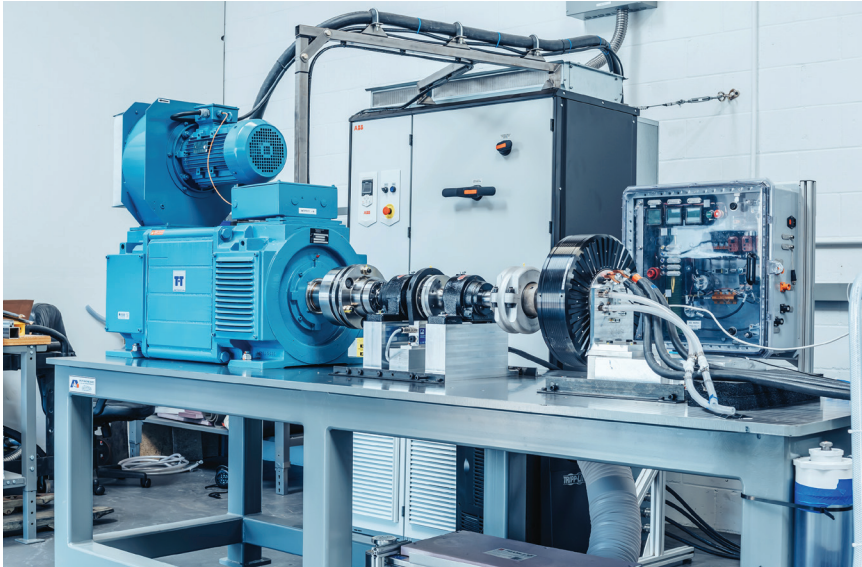


# EDS300

# Dynamometer



ORIGINALLY DESIGNED FOR THE DEVELOPMENT OF THE X-57 MAXWELL, this dynamometer is uniquely capable of characterization of hybrid and electric drivetrains for aircraft certification. The EDS300 is a stand-alone system essential for Advanced Air Mobility development. The EDS300 system also regenerates power from the test article, significantly reducing facility needs and the energy consumed during testing.

## KEY FEATURES

- 4-quadrant Regenerative Operation
- Liquid Cooled Brake Motor
- Integrated Calorimeter
- Custom Test Software
- Emergency Stop
- Precharger

## SPECIFICATIONS

- Dimensions ..... 25' x 12' x 7', 7.7m x 3.7m x 2.1m
- Temperature ..... 32 Channels via Ethernet
- Pressure ..... Optional
- Air Flow ..... Optional
- Absorber Type ..... AC Induction with Active Power Regeneration
- Maximum Speed ..... 5,500 RPM
- Power Capacity ..... 442 hp, 330kW
- Drive Maximum Torque Rating .... 738 lb.-ft, 1000 Nm
- Vibrations Accelerometer ..... 100g
- Power Data Acquisition ..... 2MS/s



< NASA X-57 MAXWELL

**THE EDS300 IS A STAND-ALONE SYSTEM ESSENTIAL FOR  
ADVANCED AIR MOBILITY DEVELOPMENT.**

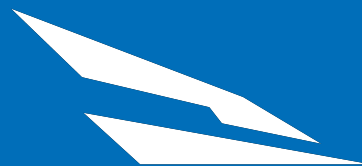
## CORECOMPETENCIES

01

EFFICIENT AND SUSTAINABLE ELECTRIC AIRCRAFT TECHNOLOGY FOR  
ADVANCED AIR MOBILITY AND UNMANNED AIRCRAFT SYSTEMS

02

AS9100 CERTIFIED DESIGN-FOR-X FOR ADVANCED AIR MOBILITY  
AND UNMANNED AIRCRAFT SYSTEMS



**E|S|AERO**

AN **AVS** COMPANY

FOR MORE INFORMATION

**INQUIRE@ESAERO.COM // +1.805.275.1053 // ESAERO.COM**

3580 SUELDO ST. // SAN LUIS OBISPO, CA 93401